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PHASE I TANK CLOSURE ASSESSMENT
JOHNSON TRUCK BODIES
215 EAST ALLEN STREET
RICE LAKE, WISCONSIN 54868

BARRON COUNTY

JUNE 1996

Prepared by:

Cooper Engineering Company, Inc.
310 W. South Street
Rice Lake, WI 54868
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ES95122
jtb.rep

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PHASE I TANK CLOSURE ASSESSMENT
JOHNSON TRUCK BODIES
215 EAST ALLEN STREET
RICE LAKE, WISCONSIN 54868

INTRODUCTION

Cooper Engineering Company, Inc. was retained by Mr. Richard Nichols, representative for Johnson Truck Bodies, to perform a Phase I Tank Closure Site Assessment at Johnson Truck Bodies located at 215 East Allen Street, Rice Lake, Wisconsin (SW1/4, SE1/4, Section 21, T35N, R11W). The site location and layout are presented in Figures 1 and 2. A discussion of the tank closure and field investigation is presented in the following narrative.

Tank Owner and Site: Johnson Truck Bodies
215 East Allen Street
Rice Lake, WI 54868

Contact: Mr. Richard Nichols, Representative
Johnson Truck Bodies
215 East Allen Street
Rice Lake, WI 54868
(715) 234-7071

BACKGROUND INFORMATION

Fiberglass truck bodies have been manufactured at the site for many years. Three underground storage tanks (USTs) had been located at the site. These USTs, including a 6,000 gallon fuel oil tank, a 10,000 gallon gasoline tank and a 6,000 gallon acetone tank, have been removed from the site. No known underground storage tanks remain at this site.

The Department of Natural Resources indicated that no further response action was required for the fuel oil tank and the gasoline tank.

The location of other tanks or LUST sites on surrounding properties has not been determined.

The depth to groundwater is approximately 20 feet below grade. Municipal water is used on site.

This report will focus on removal of the acetone tank and subsequent sampling results.

Tank Activities, Excavation, Cleaning and Disposal

On October 3, 1995, one 6,000 gallon UST containing acetone was excavated and removed from Johnson Truck Bodies. State of Wisconsin Department of Natural Resources guidelines and the Department of Industry, Labor and Human Relations administrative code were followed during the tank removal. Table 1 indicates specific tank characteristics. Site photographs documenting the removal are presented in Appendix A.

The acetone tank was removed to make way for a tunnel that was to be installed through the area. In addition, the manufacturer uses less acetone than in previous years, so acetone is purchased in small containers rather than bulk.

Table 1: Specific Tank Characteristics

Capacity (gallons)	6,000
Contents	acetone
Tank construction	bare steel
Piping construction	bare steel
Installation date	not known
Installer	not known
Tank tightness test	not performed
Date tank last used	September 1995

Excavation, tank removal, cutting and cleaning were performed by B & D Services-Excavating, 1969 Country Aire Drive, Rice Lake, Wisconsin, (715) 234-6222. Bruce Willers of B & D Services Excavating was under the direct supervision of Mr. Michael Miller of Soil Clean (certification #05698). Mr. Miller is certified with the State of Wisconsin as a Remover/Cleaner.

Nitrogen was used to inert the tank. Inerting a tank involves displacing the atmosphere inside the tank with a noncombustible gas (such as nitrogen or carbon dioxide) until the resulting atmosphere is noncombustible.

The tank was lifted from the excavation after being chained to the bucket of the back-hoe and was placed next to the excavation. The tank remained upright throughout the removal process. The tank was set alongside the excavation and blocked to prevent the tank from rolling.

B & D Services cut open the inerted tank and determined that cleaning the tank was not necessary. One of the uses of acetone

is cleaning metal, therefore it was found that the tank was already clean. No additional acetone or other liquid or solid materials were found in the tank.

The tank was chained to a Low-Boy trailer owned by B & D Services and hauled to the B & D Services office. The tank was sold as scrap metal.

Site assessor services were performed by Cooper Engineering Company, Inc., 310 West South Street, Rice Lake, Wisconsin, (715) 234-7008. Robert G. Anderson is certified with the State of Wisconsin as a Site Assessor (certification #03031).

Mr. Buck Lear of Western Wisconsin Inspection, Inc., acted as the ILHR 10 certified tank inspector. Western Wisconsin Inspection is located at 919 Fairfax Street, Altoona, Wisconsin 54720 (715-833-7671). Mr. Lear is certified with the State of Wisconsin as a tank inspector (certification #00053). Mr. Lear also acted as the neutral third party and filled out the Checklist for Underground Storage Tank Closure (SBD-8951) see Appendix B. The Tank Inventory Form SBD-7437 and the UST Chain of Custody forms are also in Appendix B.

Mr. David Kafura, representative, Wisconsin Department of Natural Resources, was also on site for the UST excavation and removal. Mr. Kafura's office is located at Highway 70 West, Spooner, Wisconsin (715-635-4065).

Darrel Christy, DILHR representative and Fire Prevention Coordinator, was informed of the intent for tank removal 15 days prior to the tank excavation. Mr. Christy was not on site during the excavation.

Visual Inspection

The sky was cloudy and the temperature was approximately 60° F during the tank excavation. A visual overview of the site showed no obvious contamination such as surface staining or stressed vegetation. The tank system was covered by approximately three inches of blacktop.

Soils observed during the excavation were light brown, well graded sands with some gravel. The Unified Soil Classification description for these soils is SW (well graded sands, gravelly sands, little or no fines).

OBSERVATIONS AND RESULTS

Tank Removal

The fill and vent holes were located directly above the tank. Visual inspection of the tank and piping showed no obvious locations of leaks or blisters.

The tank basin was excavated to 15 feet below grade. Groundwater was not encountered.

Headspace was performed at the site as requested by Johnson Truck Bodies representative Mr. Richard Nichols. Table #2 shows the results from the headspace analysis performed.

Table 2: Sampling Locations and Headspace Results

Sample #	Location	Depth (ft)	Headspace (ppm)
H1	NE corner of excavation	2.5	5
H2	SE corner of excavation	2.5	6
H3	alongside fill pipe	2	11
H4	NE corner (change in color of soil)	7	5
H5	Below elbow, above tank	6	4
H6	below E end of tank	14	14
H7	below piping E end of tank	14	18
H8	below east end of tank	17	4
H9	below west end of tank	17.5	7

Once laboratory samples were collected and the tank was safely removed from site, the excavation was barricaded off. This area would be under construction the following day as Johnson Truck Bodies was preparing to build a passageway to an underground storage area. Once the construction was completed the site was backfilled with clean soil.

Laboratory samples were sent to Northern Lakes Service Laboratory, 400 North Lake Avenue, Crandon, Wisconsin 54520, (715)478-2777 (WDNR certification #721026460). The samples were analyzed for Volatile Organic Compounds (VOC) by EPA method 8260 as recommended by Mr. David Kafura.

Results of the laboratory analysis from samples collected on October 3, 1995 are summarized in the following table and presented in Appendix C.

Table 3: Laboratory Soil Analysis of October 3, 1995 Tank Removal Event

Parameter (ug/kg)	Soil #1 East end of tank	Soil #2 West end of tank	Trip Blank
Chloromethane	18	16	17
Methylene chloride	13	12	10
Trichlorofluoromethane	660	56	ND
Acetone	500	380	240

Chloromethane, methylene chloride and acetone were all detected, but at concentrations below the lab's limit of quantification (LOQ). The laboratory describes these results as being in the area of "less certain quantification," or basically, an estimate. Therefore, reported concentrations of those analytes are not firmly quantified.

In addition, all three of these parameters (chloromethane, methylene chloride, and acetone) were detected in the trip blank and the method blank.

The highest concentration of acetone was detected in sample #1 from below the east end of the tank. The same soil sample also contained 660 ppb trichlorofluoromethane which is Freon 11.

Rick Nichols, at Johnson Truck Bodies, made some inquiries into possible sources for Freon 11. Mr. Nichols found that no one could remember ever using Freon 11 on site. They do, however, use Freon 12 which is received and stored in canisters. Besides the fact that it is a different Freon compound, there is no logical way that Freon could have leaked from one of those canisters into the soil surrounding the acetone tank.

In addition, the NR 140 preventive action limit (PAL) for trichlorofluoromethane in groundwater is 698 ppb which is higher than the sample result of 660 ppb in the soil. If all trichlorofluoromethane detected in the soil sample was transferred to the groundwater, it would still be below the PAL.

Geoprobe Investigation

In response to DNR requests, two groundwater samples and two soil samples were collected on May 6, 1996 from beneath the former acetone tank basin. These results are summarized in Tables 4 and 5. Sampling locations are indicated in Figure 2. The Soil Boring Log Form 4400-122 and Borehole Abondonment Form 3300-5B are provided in Appendix D.

During sampling, odor was detected. Due to concern for sample contamination from air exposure, soil samples were collected from the center part of the plastic Geoprobe sample tube. This practice avoided potential contamination from exposed soil at the ends of the tubes from being exposed to contaminated air.

Table 4: Soil Laboratory Sample Results
May 6, 1996 Sampling Event

Parameter (ug/kg)	B1 16' Soil	B1 21' Soil	Trip Blank
Chloromethane	ND	ND	ND
Methylene chloride	5.5	ND	ND
Trichlorofluoromethane	ND	ND	ND
Acetone	ND	ND	ND

Table 5: Groundwater Laboratory Sample Results
May 6, 1996 Sampling Event

Parameter (ug/L)	B1 20-22' Ground Water	B1 20-22' Duplicate	Trip Blank	PAL	ES
Chloromethane	0.11	0.081	ND	0.3	3
Methylene chloride	ND	ND	ND	0.5	5
Trichlorofluoromethane	ND	ND	ND	698	3490
Acetone	ND	ND	ND	200	1000

Methylene chloride was detected in one soil sample at a level significantly less than the 16 ug/kg limit of quantification and just above the 4.5 ug/kg method detection limit. Chloromethane was detected in the groundwater sample at a level less than the NR140 preventive action limit. The chloromethane result is not significant. In fact, according to the laboratory, chloromethane is often found in chlorinated water supply wells.

SOIL SAMPLING PROCEDURES

Field and laboratory soil samples were collected for analysis. Field analysis was performed on samples taken from locations noted in Table 2. The headspace method of field analysis was performed using a Photovac Microtip Model MP-1000 (10.6 eV lamp) photoionization detector (PID). The PID measures trace gas concentrations and reports them as benzene equivalents in units of parts per million(ppm). The PID was calibrated with

isobutylene span gas. The calibration was recorded in the Field Instrument Calibration Form located in Appendix D.

Soil samples at the Johnson Truck Bodies site, were collected from beneath each end of the tank (during October 1995) and from a Geoprobe boring at 16 and 21 foot depths (during May 1996). The samples obtained using a Geoprobe were initially collected in plastic soil sample collection tubes. Each sample was collected using a disposable syringe with the end cut off. Approximately 25 gms of soil were collected for each sample.

The samples were carefully placed into 60 ml glass containers which were pre-weighed by the laboratory, two per sample location. One dry weight sample for moisture analysis was also collected at each location.

All samples were field preserved by chilling in a cooler with ice and with the addition of methanol to the VOC samples. Pre-measured methanol was provided by the laboratory and added to the samples in the field.

GROUNDWATER SAMPLING PROCEDURE

Prior to obtaining the groundwater sample, approximately one liter of water was purged through a plastic sampling tube. Groundwater samples were collected in 60 ml glass vials by filling the vial until the water was slightly above the rim of the vial. The vial was covered and inverted to determine if air bubbles were present. If air bubbles were present, a replacement sample would be collected. All samples were field preserved with hydrochloric acid and immediate chilled in an ice-filled cooler.

LABORATORY SAMPLE DOCUMENTATION AND SHIPPING

Laboratory samples were submitted in ice filled coolers with chain of custody documentation to Northern Lakes Service Laboratories, Crandon, Wisconsin for VOC 8260 soil analysis. The laboratory is certified and uses Wisconsin Department of Natural Resources approved methods for VOC 8260 analysis.

CONCLUSIONS AND RECOMMENDATIONS

Additional remedial activities are not necessary for the Johnson Truck Bodies site. Soil and groundwater laboratory and field observations indicate that no significant contamination is present and that additional investigative work or other remedial activities are not needed. We recommended that the site be closed.

STANDARD OF CARE

This report has been specifically prepared for Johnson Truck Bodies, 215 East Allen Street, Rice Lake, Wisconsin with specific application to Phase I Underground Storage Tank Closure for a 6,000 gallon acetone tank on property located at Johnson Truck Bodies. This document has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein.

REPORT PREPARATION

This report has been developed by Cooper Engineering Company, Inc., and was prepared and reviewed by the following:

Robert G. Anderson
State of Wisconsin Certified Site Assessor #03031
Project Manager

Gary Strand, P.E.
Project Engineer

Sharon J. Masek
Hydrogeologist

Shawn Tisdell, M.S.
Environmental Scientist

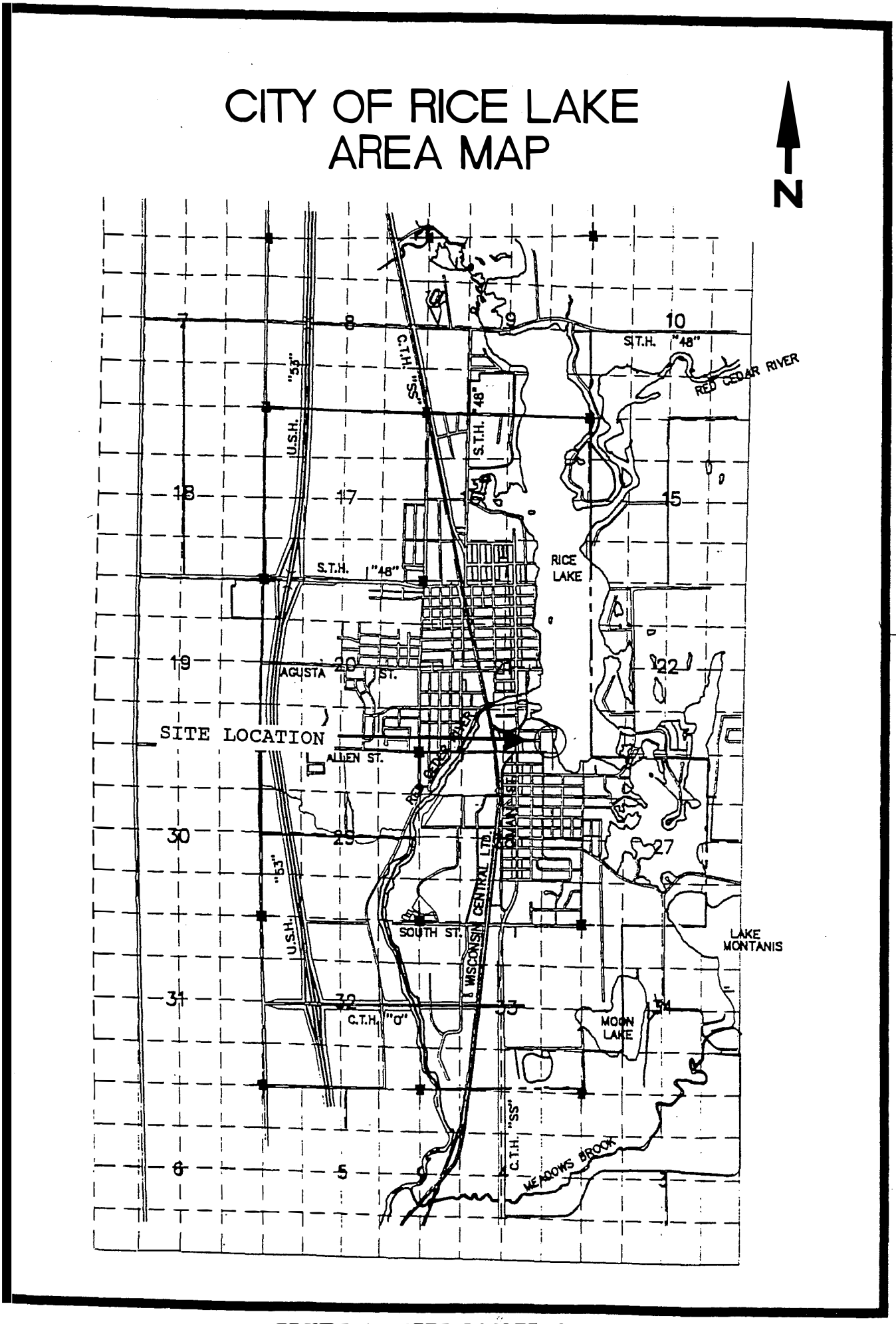
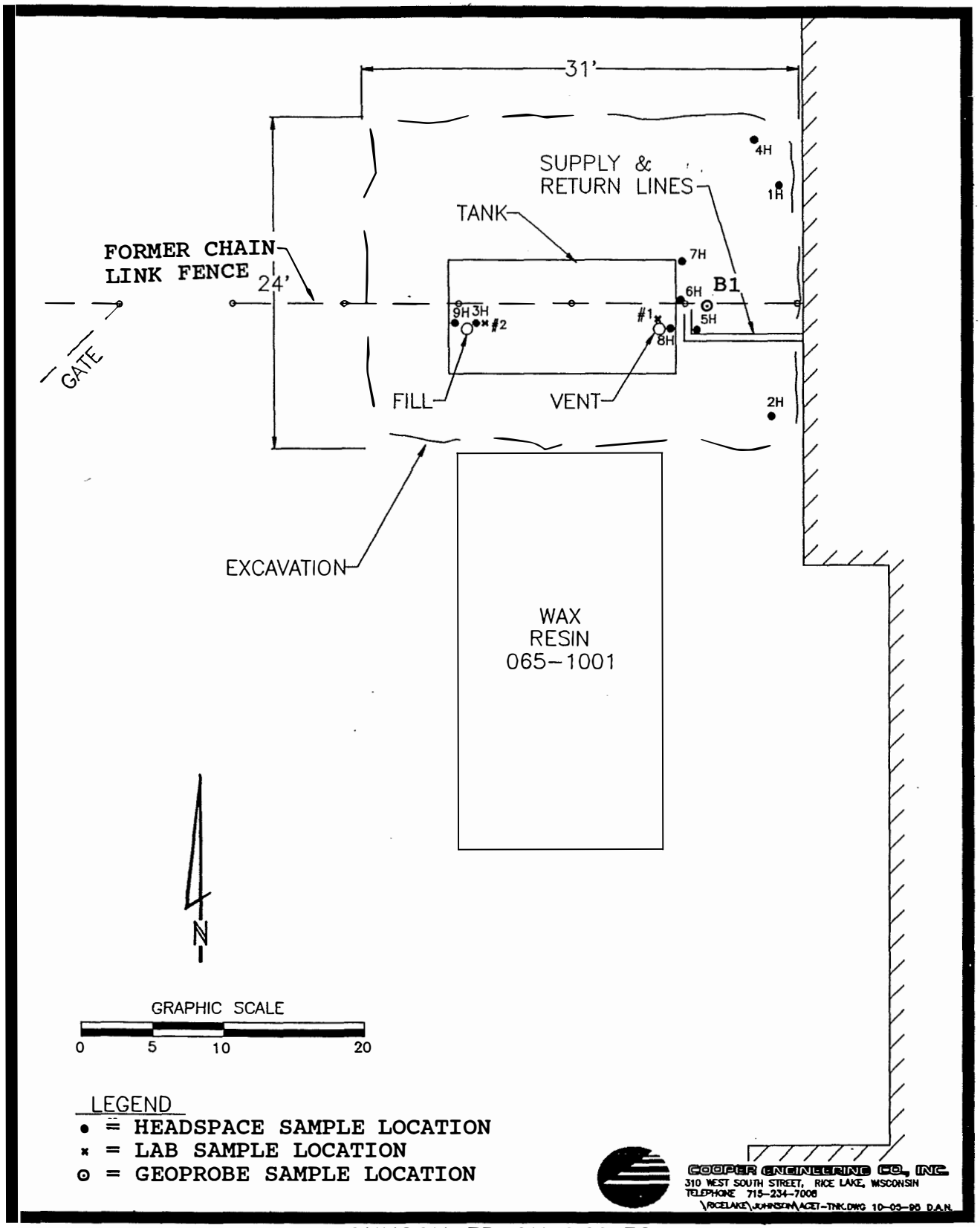


FIGURE 1: SITE LOCATION



JOHNSON TRUCK BODIES
ACETONE TANK REMOVAL
SITE SKETCH

FIGURE 2

APPENDICES

APPENDIX A Site Photographs

APPENDIX B Checklist for Underground Tank Closure (SBD-8951)
Tank Inventory Form (SBD-7437)

APPENDIX C Laboratory Results and Chain of Custody

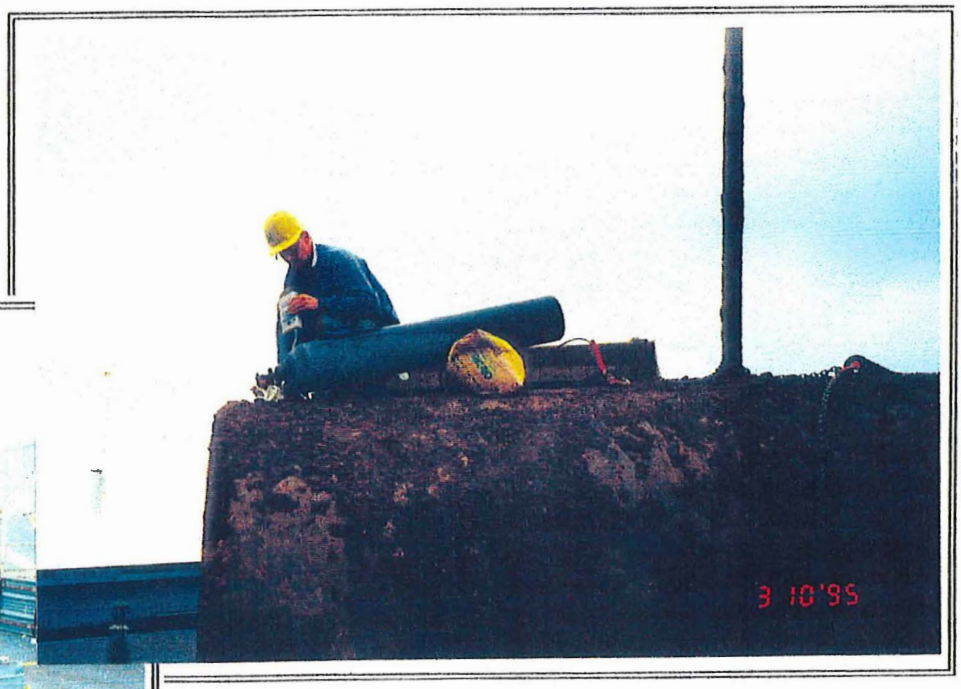
APPENDIX D Soil Boring Log/Abandonment Form and
Field Instrument Calibration Form

APPENDIX A

Site Photographs

Acetone Tank Removal

Inerting Tank With Nitrogen



Cutting Open The Tank For Cleaning

APPENDIX B

Checklist for Underground Tank Closure (SBD-8951)
Tank Inventory Form (SBD-7437)

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

The information you provide may be used by other government agency programs [Privacy Law, s. 15.04 (1) (m)].

RETURN COMPLETED CHECKLIST TO
Safety & Buildings Division
Fire Prevention & Underground Storage Tank Section
P. O. Box 7969, Madison, WI 53707

IDENTIFICATION: (Please Print) Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name: JOHNSON TRUCK BODIES	2. Owner Name: Johnson truck Bodies
Site Street Address (not P.O. Box): 215 EAST ALLEN ST.	Owner Street Address: 215 E. Allen St.
☒ City ☐ Village ☐ Town of: RICE LAKE	☒ City ☐ Village ☐ Town of: Rice Lake; State: WI; Zip Code: 54868
State: WI; Zip Code: 54868; County: BARRON	County: Barron; Telephone No. (include area code): (715) 234-7071
3. Closure Company Name (Print): B+D Services	Closure Company Street Address: 1960 Country Rice
Closure Company Telephone No. (include area code): (715) 234-6222	Closure Company City, State, Zip Code: Rice Lake, WI 54868
4. Name of Company Performing Closure Assessment: Cooper Engineering Co. Inc.	Assessment Company Street Address, City, State, Zip Code: 310 West South St., Rice Lake, WI 54868
Telephone # (include area code): (715) 234-7008; Certified Assessor Name (Print): Robert G. Anderson	Assessor Signature: Robert G Anderson; Assessor Certification No.: 03031

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1. NOT REG	☒	☐	☐	6000	CAS 76-64-1	☒ Y ☐ N
2.	☐	☐	☐		Acetone	☐ Y ☐ N
3.	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N
5.	☐	☐	☐			☐ Y ☐ N
	☐	☐	☐			☐ Y ☐ N

*Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s) _____ _____ _____; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ☒ Y ☐ N ☐ NA
All local permits were obtained before beginning closure. ☒ Y ☐ N ☒ NA

Check applicable box at right in response to all statements in Sections B - E.

	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐ Y ☐ N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y ☐ N	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating temporary closure.	☐ Y ☐ N	☐	☐
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	☒ Y ☐ N	☒	☐
2. Piping disconnected from tank and removed.	☒ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y ☐ N	☒	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.**	☒ Y ☐ N	☒	☐
6. Vent lines left connected until tanks purged.	☒ Y ☐ N	☒	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y ☐ N	☒	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒ Y ☐ N	☐	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☒ Y ☐ N	☒	☐
10. Tank cleaned before being removed being removed from site. 11/3/95	☒ Y ☐ N	☒	☐

CONTINUE ON NEXT PAGE

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Sec. 102.142, Wis. Stats.

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone: (608) 267-5280

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ YES ☒ NO If yes, are you correcting/updating information only? ☐ Yes ☐ No

The information you provide may be used by other government agency programs [Privacy Law, s. 15.04 (1) (m)].

This registration applies to a tank that is (check one):
1A. ☐ In Use or 1B. ☐ Newly Installed
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Closed - Tank Removed
6. ☐ Closed - Filled With Inert Material
7. ☐ Out of Service - Provide Date: _____
8. ☐ Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located: 0308

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: JOHNSON TRUCK BODIES
Site Address: 215 EAST ALLEN ST
Site Telephone No.: (715) 234-7071

☒ City: RICE LAKE ☐ Village ☐ Town of: | State: WI | Zip Code: 54868 | County: BARRON

2. Owner Name (mail sent here unless indicated otherwise in #3 below) | Owner Mailing Address (mail sent here unless indicated otherwise in #3)

☐ City ☐ Village ☐ Town of: | State | Zip Code | County

3. Alternate Mailing Name If Different Than #2 | Alternate Mailing Street Address If Different From #2

☐ City ☐ Village ☐ Town of: | State | Zip Code | County

4. Tank Age (date installed, if known: or years old): Not Registered
5. Tank Capacity (gallons): 6000
6. Tank Manufacturer's Name (if known)

TYPE OF USER (check one):
1. ☐ Gas Station
2. ☒ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify): _____

TANK CONSTRUCTION:
1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined - Date _____
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is Tank Double Walled? ☐ Yes ☒ No

Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type: | Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

PIPING CONSTRUCTION
1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: A. ☐ auto shutoff; B. ☐ alarm; or C. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank 3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring 3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other: | Double Walled: ☐ Yes ☒ No

E. TANK CONTENTS
1. ☐ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☒ Chemical * Acetone
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

Tank Closed, Give Date (mo/day/yr): October 3, 1995 | Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No

Installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department
2. ☐ DILHR
3. ☐ Other (identify) _____

Name of Owner or Operator (please print): Richard Nichols | Indicate Whether: ☐ Owner or ☒ Operator

Signature of Owner or Operator: Richard Nichols (Plant MGR) | Date Signed: 10/3/95

7437 (R. 05/94) IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations

Cooper Engineering Company, Inc.

CONSULTING ENGINEER

100 WEST ORCHARD BEACH LANE
RICE LAKE, WISCONSIN 54868
TELEPHONE 715-234-7008
FAX 715-234-1025

UST CHAIN OF CUSTODY FORM

PROJECT NAME JOHNSON TRUCK BODIES DATE 10-3-95

LOCATION 215 East Allen, Rice Lake, WI CEC REP RGA

TRANSPORTER'S NAME _____
(Trucker)

LICENSE _____

RELINQUISHED BY Johnson Truck Bodies Richard Nicholo DATE 10-3-95

TIME 11:30 Am.

RECEIVED BY B & D Services Excavating DATE _____
(Name)

B & D Services Excavating
(Salvage Company Name)

TANK SIZE 4,000 gallon PRODUCT Acetone

CONSTRUCTION Bare Steel

COMMENTS: Bruce Willers of B & D Services accepts the 4,000-gallon UST to be used as scrap.

RETURN COMPLETED FORM TO COOPER ENGINEERING

APPENDIX C

Laboratory Results and Chain of Custody

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 17512

Client: Cooper Engineering Company
Attn: Robert Anderson
310 W. South Street
Rice Lake, WI 54868

Project Description: Johnson Truck Bodies
Project Title: ES95122

Sample ID: Soil, #1 East end of tank NLS#: 90761
COC Description: Soil, #1
Collected: 10/03/95 Received: 10/04/95 Reported: 10/11/95

Parameter	Result	Units	MDL	LOQ	Method	Date
Solids, total on solids	91.7	%	0.10		EPA 160.3	10/05/95
VOCs (solid) by EPA 8260	see attached				SW846 8260	10/10/95

Additional Comments: Chloromethane and methylene chloride are laboratory contaminants.

Sample ID: Soil, #2 West end of tank NLS#: 90762
COC Description: Soil, #2
Collected: 10/03/95 Received: 10/04/95 Reported: 10/11/95

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (solid) by EPA 8260	see attached				SW846 8260	10/06/95

Additional Comments: Chloromethane and methylene chloride are laboratory contaminants. The results for this sample are reported on a wet weight basis.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 17512

Client: Cooper Engineering Company
Attn: Robert Anderson
310 W. South Street
Rice Lake, WI 54868

Project Description: Johnson Truck Bodies
Project Title: ES95122

Sample ID: MeOH Blank NLS#: 90763
COC Description: MeOH Blank
Collected: 10/03/95 Received: 10/04/95 Reported: 10/11/95

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (solid) by EPA 8260	see attached **Additional Comments:** Chloromethane and methylene chloride are laboratory contaminants.				SW846 8260	10/06/95

Please note that analytical results greater than the MDL but less than the LOQ are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation".

MDL = Method Detection Limit LOQ = Limit of Quantitation ND = Not Detected Date = Date Analysis Performed
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB)/10000

Reviewed by:

Authorized by:
R. T. Krueger
Laboratory Manager

ANALYTICAL RESULTS: VOCs 8260-SOIL MeOH preserved

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 17512

Analyte Name	MDL ug/kg	LOQ ug/kg	90761 Soil, #1 ug/kg
Benzene	5.9	21	ND
Bromobenzene	10	37	ND
Bromochloromethane	7.9	28	ND
Bromodichloromethane	7.2	25	ND
Bromoform	6.5	23	ND
Bromomethane	10	37	ND
n-Butylbenzene	9.4	33	ND
sec-Butylbenzene	8.1	28	ND
tert-Butylbenzene	8.3	30	ND
Carbon Tetrachloride	6.8	23	ND
Chlorobenzene	7.4	26	ND
Chloroethane	92	340	ND
Chloroform	8.1	28	ND
Chloromethane	14	46	18
2-Chlorotoluene	7.9	28	ND
4-Chlorotoluene	7.6	27	ND
Dibromochloromethane	7.9	28	ND
1,2-Dibromo-3-Chloropropane	8.7	31	ND
1,2-Dibromoethane	7.6	27	ND
Dibromomethane	7.9	28	ND
1,2-Dichlorobenzene	7.0	25	ND
1,3-Dichlorobenzene	7.6	27	ND
1,4-Dichlorobenzene	9.4	33	ND
Dichlorodifluoromethane	8.1	29	ND
1,1-Dichloroethane	4.8	17	ND
1,2-Dichloroethane	6.3	22	ND
1,1-Dichloroethene	10	37	ND
cis-1,2-Dichloroethene	6.1	21	ND
trans-1,2-Dichloroethene	7.2	25	ND
1,2-Dichloropropane	7.2	25	ND
1,3-Dichloropropane	5.5	19	ND
2,2-Dichloropropane	12	42	ND
1,1-Dichloropropene	5.9	21	ND
cis-1,3-Dichloropropene	7.2	25	ND
trans-1,3-Dichloropropene	6.5	23	ND
Ethylbenzene	6.5	23	ND
Hexachlorobutadiene	10	35	ND
Isopropylbenzene	7.2	26	ND
p-Isopropyltoluene	8.7	31	ND
Methylene chloride	4.4	15	13
Naphthalene	9.8	35	ND
n-Propylbenzene	7.6	27	ND
Styrene	13	46	ND
1,1,1,2-Tetrachloroethane	6.5	23	ND
1,1,2,2-Tetrachloroethane	8.1	28	ND
Tetrachloroethene	5.0	18	ND
Toluene	8.9	31	ND
1,2,3-Trichlorobenzene	11	40	ND
1,2,4-Trichlorobenzene	8.1	28	ND
1,1,1-Trichloroethane	7.2	26	ND
1,1,2-Trichloroethane	5.7	20	ND
Trichloroethene	6.1	22	ND
Trichlorofluoromethane	11	40	660
1,2,3-Trichloropropane	9.8	35	ND

ANALYTICAL RESULTS: VOCs 8260-SOIL MeOH preserved

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 17512

Analyte Name	MDL ug/kg	LOQ ug/kg	90761 Soil, #1 ug/kg
1,2,4-Trimethylbenzene	13	47	ND
1,3,5-Trimethylbenzene	8.9	31	ND
Vinyl chloride	5.2	18	ND
ortho-Xylene	15	53	ND
meta,para-Xylene	11	39	ND
tert-Butylmethyl ether	5.5	19	ND
Acetone	170	600	500

Surrogate Recovery on Dibromofluoromethane = 92.4 %
Surrogate Recovery on d8-Toluene = 97.5 %
Surrogate Recovery on Bromofluorobenzene = 91.7 %

ANALYTICAL RESULTS: VOCs 8260-SOIL MeOH preserved

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 17512

Analyte Name	MDL ug/kg	LOQ ug/kg	90762 Soil, #2 ug/kg
Benzene	5.4	19	ND
Bromobenzene	9.6	34	ND
Bromochloromethane	7.2	25	ND
Bromodichloromethane	6.6	23	ND
Bromoform	6.0	21	ND
Bromomethane	9.6	34	ND
n-Butylbenzene	8.6	30	ND
sec-Butylbenzene	7.4	26	ND
tert-Butylbenzene	7.6	27	ND
Carbon Tetrachloride	6.2	21	ND
Chlorobenzene	6.8	24	ND
Chloroethane	85	310	ND
Chloroform	7.4	25	ND
Chloromethane	12	43	16
2-Chlorotoluene	7.2	26	ND
4-Chlorotoluene	7.0	25	ND
Dibromochloromethane	7.2	26	ND
1,2-Dibromo-3-Chloropropane	8.0	29	ND
1,2-Dibromoethane	7.0	25	ND
Dibromomethane	7.2	26	ND
1,2-Dichlorobenzene	6.4	23	ND
1,3-Dichlorobenzene	7.0	25	ND
1,4-Dichlorobenzene	8.6	30	ND
Dichlorodifluoromethane	7.4	26	ND
1,1-Dichloroethane	4.4	16	ND
1,2-Dichloroethane	5.8	21	ND
1,1-Dichloroethene	9.6	34	ND
cis-1,2-Dichloroethene	5.6	20	ND
trans-1,2-Dichloroethene	6.6	23	ND
1,2-Dichloropropane	6.6	23	ND
1,3-Dichloropropane	5.0	18	ND
2,2-Dichloropropane	11	38	ND
1,1-Dichloropropene	5.4	19	ND
cis-1,3-Dichloropropene	6.6	23	ND
trans-1,3-Dichloropropene	6.0	21	ND
Ethylbenzene	6.0	21	ND
Hexachlorobutadiene	9.2	32	ND
Isopropylbenzene	6.6	24	ND
p-Isopropyltoluene	8.0	29	ND
Methylene chloride	4.0	14	12
Naphthalene	9.0	32	ND
n-Propylbenzene	7.0	25	ND
Styrene	12	42	ND
1,1,1,2-Tetrachloroethane	6.0	21	ND
1,1,2,2-Tetrachloroethane	7.4	26	ND
Tetrachloroethene	4.6	16	ND
Toluene	8.2	28	ND
1,2,3-Trichlorobenzene	10	37	ND
1,2,4-Trichlorobenzene	7.4	26	ND
1,1,1-Trichloroethane	6.6	23	ND
1,1,2-Trichloroethane	5.2	19	ND
Trichloroethene	5.6	20	ND
Trichlorofluoromethane	10	37	56
1,2,3-Trichloropropane	9.0	32	ND

ANALYTICAL RESULTS: VOCs 8260-SOIL MeOH preserved

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 17512

Analyte Name	MDL ug/kg	LOQ ug/kg	90762 Soil, #2 ug/kg
1,2,4-Trimethylbenzene	12	43	ND
1,3,5-Trimethylbenzene	8.2	29	ND
Vinyl chloride	4.8	17	ND
ortho-Xylene	14	48	ND
meta,para-Xylene	10	36	ND
Acetone	160	550	380
tert-Butylmethyl ether	5.0	17	ND

Surrogate Recovery on Dibromofluoromethane = 102 %
Surrogate Recovery on d8-Toluene = 112 %
Surrogate Recovery on Bromofluorobenzene = 106 %

ANALYTICAL RESULTS: VOCs 8260-SOIL MeOH preserved

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 17512

Analyte Name	MDL ug/kg	LOQ ug/kg	90763 MeOH Blank ug/kg
Benzene	5.4	19	ND
Bromobenzene	9.6	34	ND
Bromochloromethane	7.2	25	ND
Bromodichloromethane	6.6	23	ND
Bromoform	6.0	21	ND
Bromomethane	9.6	34	ND
n-Butylbenzene	8.6	30	ND
sec-Butylbenzene	7.4	26	ND
tert-Butylbenzene	7.6	27	ND
Carbon Tetrachloride	6.2	21	ND
Chlorobenzene	6.8	24	ND
Chloroethane	85	310	ND
Chloroform	7.4	25	ND
Chloromethane	12	43	17
2-Chlorotoluene	7.2	26	ND
4-Chlorotoluene	7.0	25	ND
Dibromochloromethane	7.2	26	ND
1,2-Dibromo-3-Chloropropane	8.0	29	ND
1,2-Dibromoethane	7.0	25	ND
Dibromomethane	7.2	26	ND
1,2-Dichlorobenzene	6.4	23	ND
1,3-Dichlorobenzene	7.0	25	ND
1,4-Dichlorobenzene	8.6	30	ND
Dichlorodifluoromethane	7.4	26	ND
1,1-Dichloroethane	4.4	16	ND
1,2-Dichloroethane	5.8	21	ND
1,1-Dichloroethene	9.6	34	ND
cis-1,2-Dichloroethene	5.6	20	ND
trans-1,2-Dichloroethene	6.6	23	ND
1,2-Dichloropropane	6.6	23	ND
1,3-Dichloropropane	5.0	18	ND
2,2-Dichloropropane	11	38	ND
1,1-Dichloropropene	5.4	19	ND
cis-1,3-Dichloropropene	6.6	23	ND
trans-1,3-Dichloropropene	6.0	21	ND
Ethylbenzene	6.0	21	ND
Hexachlorobutadiene	9.2	32	ND
Isopropylbenzene	6.6	24	ND
p-Isopropyltoluene	8.0	29	ND
Methylene chloride	4.0	14	10
Naphthalene	9.0	32	ND
n-Propylbenzene	7.0	25	ND
Styrene	12	42	ND
1,1,1,2-Tetrachloroethane	6.0	21	ND
1,1,2,2-Tetrachloroethane	7.4	26	ND
Tetrachloroethene	4.6	16	ND
Toluene	8.2	28	ND
1,2,3-Trichlorobenzene	10	37	ND
1,2,4-Trichlorobenzene	7.4	26	ND
1,1,1-Trichloroethane	6.6	23	ND
1,1,2-Trichloroethane	5.2	19	ND
Trichloroethene	5.6	20	ND
Trichlorofluoromethane	10	37	ND
1,2,3-Trichloropropane	9.0	32	ND

ANALYTICAL RESULTS: VOCs 8260-SOIL MeOH preserved

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 17512

Analyte Name	MDL ug/kg	LOQ ug/kg	90763 MeOH Blank ug/kg
1,2,4-Trimethylbenzene	12	43	ND
1,3,5-Trimethylbenzene	8.2	29	ND
Vinyl chloride	4.8	17	ND
ortho-Xylene	14	48	ND
meta,para-Xylene	10	36	ND
Acetone	160	550	240
tert-Butylmethyl ether	5.0	17	ND

Surrogate Recovery on Dibromofluoromethane = 97.2 %
Surrogate Recovery on d8-Toluene = 102 %
Surrogate Recovery on Bromofluorobenzene = 100 %

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

NLS PROJECT# 27061

Client: Cooper Engineering Company
Attn: Sharon Masek
310 W. South Street
Rice Lake, WI 54868

Project Description: Johnson Truck Bodies
Project Title: ES95122

Sample ID: Soil, B1-16 **NLS#: 104665**
COC Description: Soil, B1-16
Collected: 05/06/96 Received: 05/08/96 Reported: 05/20/96

Parameter	Result	Units	MDL	LOQ	Method	Date
Solids, total on solids	90.2	%	0.10		EPA 160.3	05/08/96
VOCs (solid) by EPA 8260	see attached				SW846 8260	05/17/96

Additional Comments: Methylene chloride was present in the method blank and sample as a low level background contribution.

Sample ID: Soil, B1-21 **NLS#: 104666**
COC Description: Soil, B1-21
Collected: 05/06/96 Received: 05/08/96 Reported: 05/20/96

Parameter	Result	Units	MDL	LOQ	Method	Date
Solids, total on solids	87.3	%	0.10		EPA 160.3	05/08/96
VOCs (solid) by EPA 8260	see attached				SW846 8260	05/17/96

Sample ID: B1-GW **NLS#: 104667**
COC Description: B1-GW
Collected: 05/06/96 Received: 05/08/96 Reported: 05/20/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	05/13/96

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 27061

Client: Cooper Engineering Company
Attn: Sharon Masek
310 W. South Street
Rice Lake, WI 54868

Project Description: Johnson Truck Bodies
Project Title: ES95122

Sample ID: B1-GW(Dupl) **NLS#: 104668**
COC Description: B1-GW(Dupl)
Collected: 05/06/96 Received: 05/08/96 Reported: 05/20/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	05/13/96

Sample ID: Trip Blank **NLS#: 104669**
COC Description: Trip Blank
Collected: 05/06/96 Received: 05/08/96 Reported: 05/20/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				EPA 8260	05/14/96

Sample ID: MeOH Blank **NLS#: 104670**
COC Description: MeOH Blank
Collected: 05/06/96 Received: 05/08/96 Reported: 05/20/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (solid) by EPA 8260	see attached				EPA 8260	05/17/96

Please note that analytical results greater than the MDL but less than the LOQ are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation".

MDL = Method Detection Limit LOQ = Limit of Quantitation ND = Not Detected Date = Date Analysis Performed
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB)/10000

Jerry Bock
Reviewed by:

Authorized by:
R. T. Krueger
Laboratory Manager

ANALYTICAL RESULTS: VOCs by EPA 8260 Methanol Soils

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 27061

Analyte Name	MDL ug/kg	LOQ ug/kg	104665 Soil, B1-16 ug/kg
Acetone	170	610	ND
Chloromethane	14	47	ND
Methylene chloride	4.4	16	5.5
Trichlorofluoromethane	12	41	ND

Surrogate Recovery on Dibromofluoromethane = 98.4 %
Surrogate Recovery on d8-Toluene = 106 %
Surrogate Recovery on Bromofluorobenzene = 108 %

Analyte Name	MDL ug/kg	LOQ ug/kg	104666 Soil, B1-21 ug/kg
Acetone	180	630	ND
Chloromethane	14	49	ND
Methylene chloride	4.6	16	ND
Trichlorofluoromethane	12	42	ND

Surrogate Recovery on Dibromofluoromethane = 100 %
Surrogate Recovery on d8-Toluene = 106 %
Surrogate Recovery on Bromofluorobenzene = 102 %

Analyte Name	MDL ug/kg	LOQ ug/kg	104670 MeOH Blank ug/kg
Acetone	160	550	ND
Chloromethane	12	43	ND
Methylene chloride	4.0	14	ND
Trichlorofluoromethane	10	37	ND

Surrogate Recovery on Dibromofluoromethane = 93.3 %
Surrogate Recovery on d8-Toluene = 98.1 %
Surrogate Recovery on Bromofluorobenzene = 98.9 %

ANALYTICAL RESULTS: Water short VOC list

Customer: Cooper Engineering Company
Project Description: Johnson Truck Bodies Project Title: ES95122
Northern Lake Service Project Number: 27061

Analyte Name	MDL ug/L	LOQ ug/L	104667 B1-GW ug/L
Acetone	0.77	2.7	ND
Chloromethane	0.031	0.11	0.11
Methylene chloride	0.020	0.070	ND
Trichlorofluoromethane	0.071	0.25	ND

Surrogate Recovery on Dibromofluoromethane = 96.7 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 103 %

Analyte Name	MDL ug/L	LOQ ug/L	104668 B1-GW(Dupl) ug/L
Acetone	0.77	2.7	ND
Chloromethane	0.031	0.11	0.081
Methylene chloride	0.020	0.070	ND
Trichlorofluoromethane	0.071	0.25	ND

Surrogate Recovery on Dibromofluoromethane = 95.6 %
Surrogate Recovery on d8-Toluene = 103 %
Surrogate Recovery on Bromofluorobenzene = 103 %

Analyte Name	MDL ug/L	LOQ ug/L	104669 Trip Blank ug/L
Acetone	0.77	2.7	ND
Chloromethane	0.031	0.11	ND
Methylene chloride	0.020	0.070	ND
Trichlorofluoromethane	0.071	0.25	ND

Surrogate Recovery on Dibromofluoromethane = 97.5 %
Surrogate Recovery on d8-Toluene = 103 %
Surrogate Recovery on Bromofluorobenzene = 101 %

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151 Rev. 4-93

Note: Use of this form is voluntary but is requested by the Department pursuant to ch. NR 149, NR 500-540, NR 158 and NR 419, Wis. Adm. Code. Personally identifiable information will be used for no other purpose.

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Sharon Masek	Cooper Engineering Co. Inc	715-234-7008
Property Owner	**Property Address**	**Telephone Number (include area code)**
Johnson Truck Bodies	Rice Lake, WI	

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time	Received By (Signature)
Sharon J. Masek	5-7-96 3:00	
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)
	5/08/96 9:45	Stacy Huber

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY
Temperature of temperature blank: [illegible]
If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No. Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
1	5-6-96	3:40	Soil	syringe	MeOH	—	B1	8260 for chloromethane	104645					
2	5-6-96	3:50	soil	syringe	MeOH	—	B1	methylene chloride, trichlorofluoromethane	104646					
3	5-6-96	4:05	GW	teflon tube	HCl		B1-GW	acetone	104647					
4	5-6-96	4:05	GW	teflon tube	HCl		B1-GW (dupl.)	↓	104648					
					trip blanks		included	- please	analyze					

[1] Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2] Specify groundwater, surface water, soil, leachate, sludge, etc.
[3] Type of sampling device; split spoon, hand auger, metal spatula, soil syringe, etc.

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should: ☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____

APPENDIX D

Soil Boring Log/Abandonment Form and Field Instrument Calibration Form

State of Wisconsin
Department of Natural Resources

Route To:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Wastewater
- ☐ Superfund
- ☐ Haz. Waste
- ☒ Underground Tanks
- ☐ Water Resources
- ☐ Other _____

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-92

Facility/Project Name: JOHNSON TRUCK BODIES, RICE LAKE, WI	License/Permit/Monitoring Number: — — — — — — — —	Boring Number: B1
Boring Drilled By (Firm name and name of crew chief): METCO, JERRY BUCHAL	Date Drilling Started: 05/06/96 (MM DD YY)	Date Drilling Completed: 05/06/96 (MM DD YY)
Drilling Method: GEOPROBE	DNR Facility Well No.:	WI Unique Well No.:
Common Well Name:	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL
Borehole Diameter: 1.25 inches	Boring Location State Plane ____ N, ____ E S/C/N	Lat ___° ___' ___"
____ 1/4 OF ____ 1/4 of Section 27, T 35 N, R 11 E/(W)	Long ___° ___' ___"	Local Grid Location (If applicable): ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W
County: BARRON	DNR County Code: 03	Civil Town/or Village: CIT OF RICE LAKE

Sample: Number and Type	Length Att. & Recovered (in.)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				BLIND DRILLED TO 15' – FILL FROM TANK REMOVAL, SILTY SAND W/ GRAVEL										
			5											
			10											
			15	BROWN FINE TO MEDIUM SAND, SOME FINE GRAVEL										MOIST
			20	BROWN FINE TO MEDIUM SAND, TRACE GRAVEL COLLECTED 2 WATER SAMPLES AT 20' – 22'										SAT.
				END OF BORING @ 22'										
			25											
			30											

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

Signature: Sharon J. Masek

Firm: COOPER ENGINEERING CO., INC.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also see instructions on back.

(1) GENERAL INFORMATION

WELL/DRILLHOLE/BOREHOLE LOCATION

COUNTY: BARRON

____ 1/4 OF ____ 1/4 of Section 27; T 35 N; R 11 ☐ E. ☒ W.
(If applicable)

_____ Government Lot Number _____ Grid Number

Grid Location
_____ Feet ☐ N. ☐ S., _____ Feet ☐ E. ☐ W.

Civil Town Name: RICE LAKE

Street Address of Well: 215 E. ALLEN

City, Village: CITY OF RICE LAKE

(2) FACILITY NAME

Original Well Owner (If Known): JOHNSON TRUCK BODIES

Present Well Owner: JOHNSON TRUCK BODIES

Street or Route: 215 E. ALLEN

City, State, Zip Code: RICE LAKE, WI. 54868

Facility Well No. and/or Name (If Applicable): XX

WI Unique Well No.: _ _ _ _ _

Reason For Abandonment: INVESTIGATION COMPLETE

Date of Abandonment: 05/06/96

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 05/06/96

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.)_____ Casing Diameter (ins.)____
(From ground surface)

Casing Depth (ft.) _____

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

If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet)

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	☒ Not Applicable

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle one)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	22	330 OUNCES	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
COOPER ENGINEERING COMPANY, INC

Signature of Person Doing Work: Sharon J. Marek
Date Signed: 5-20-96

Street or Route: 310 WEST SOUTH STREET
Telephone Number: (715) 234-7008

City, State, Zip Code: RICE LAKE, WISCONSIN 54868

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected
District/County
Reviewer/Inspector
☐ Complying Work
☐ Noncomplying Work
Follow-up Necessary

FIELD INSTRUMENT CALIBRATION FORM

PHOTOVAC, INC.
MICROTIP MP-1000
SERIAL NO. NA920052

DATE: 10-3-95 TIME: 7:25 am

JOB NAME: Johnson Truck Bodies
Acetone UST

PROJECT NUMBER: ES95122

LOCATION OF CALIBRATION: Back of Van

CONDITIONS WHERE CALIBRATED: 60°F, outside

METHOD: 101 ppm Isobutylene Span Gas

Lamp: eV 10.6

Last Factory Calibration: December 1993

Robert G. Anderson
Name of Person Performing Calibration (print)

Robert G Anderson
Signature

10-3-95
Date

COOPER ENGINEERING COMPANY, INC
310 WEST SOUTH STREET
RICE LAKE, WI 54868

TELEPHONE (715) 234-7008
FAX (715) 234-1025
hl:form.fic