

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

George E. Meyer, Secretary
William R. Selbig, District Director

Lake Michigan District Headquarters
Solid Waste Office
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #: (414)492-5916
Telefax #: (414)492-5859

October 4, 1994

HERESITE PROTECTIVE COATINGS
GEOFFERY LIBAN
822 SOUTH 14TH STREET
MANITOWOC, WI 54220

RE: Case Closure - Heresite Protective Coatings, 822 S. 14th Street,
Manitowoc.
ERRP CASE #36-00426

Dear Mr. Liban:

The Department's Remedial Action Closure Review Panel has just completed a review of the above referenced case. This panel reviews environmental remediation cases for compliance with state laws, standards and guidelines to maintain consistency in the closeout of cases. After a careful review, the panel has decided to close this case.

At the present time, it appears that actions have been taken to the extent practical to restore the environment and minimize the harmful effects from this discharge to the air, lands, and waters of the state. The Department is requiring no further remedial action at this time. This case will appear as closed on the Emergency and Remedial Response Program's tracking system.

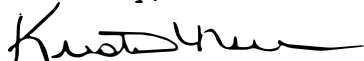
Please be aware, however, that this letter does not absolve the current, or any future owner of this property from future decisions regarding this site or impacts which may be discovered and/or traced back to past or future activities at this site.

Please be aware that this letter does not represent Department "certification" that any response actions taken at your property, such as site investigation, remedial action or case closure under the ch. NR 700 series, are "approved by the Department," as those terms are used in the "remediated property; purchaser liability" section of the hazardous substance discharge law, s. 144.765, Stats.

Those persons wishing to receive a Department-issued exemption from liability under s. 144.765, Stats., must obtain a separate approval outside those standard approvals granted to sites or facilities as part of the ch. NR 700 response process. Please contact Mark Giesfeldt at (608)267-7562 or Darsi Foss at (608)267-6713 to receive further information of this program. The Department advises persons to contact the Department and receive "pre-approval" for this program at the earliest possible point in the response process, such as before developing the site investigation workplan required by ch. NR 716.

The Department appreciates your efforts to protect and restore the environment at this site. If you have any questions regarding the content of this letter, please contact me at (414) 492-5921.

Sincerely,



Kristin Nell
Hydrogeologist
Emergency & Remedial Response Program

cc: James VandenBoom; JVB Engineering
1428 Silver Creek Road; P.O. Box 2095; Manitowoc, WI 54221-2095

CASE SUMMARY AND CLOSEOUT

PROJECT MANAGER: E. SystemFIRM OR AGENCY: WDNRDATE: September 27, 1994NAME OF SITE: Heresco Protective CoatingsLOCATION: 822 S. 14th Street COUNTY: ManitowacTYPE OF DISCHARGE: ERP ☒ LUST ☐ Other ☐CONTAMINATION TYPE: (list all compounds) denatured ethyl alcoholCONTAMINATION PRESENT IN: Soil ☒ Groundwater ☐ Other ☐

I. SOIL:

Extent Defined: Yes ☒ No ☐ N/A ☐Number of: Lab Analyses 3 Field Analyses ☐ No Data ☐Methodology and/or Detection Devices: EthanolTotal Number of Sample Points: 3

PRE-REMEDIATION

POST-REMEDIATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable Std
See table 1						

REMEDIAL ACTION TAKEN:	Tank abandoned in place. Passive bioremediation to clean up contaminated soil.

CLOSURE JUSTIFICATION:	Low levels of ethyl alcohol remaining in soil

Soil Remedial Action Completed: Yes ☒ No ☐This recommendation for case closure is based on all the available data as of this date 9-27-94 andsubmitted by Kristen Neill of WDNR

PRELIM. REVIEW:

REMEDIAL ACTION COMPLETED
CASE CLOSEOUTDATE: 9-28-94ROUTE TO: Basil☒ URBEN Basil☒ ROSSBERG Rossberg☒ STOLL R.C. 270

II. **GROUNDWATER:** Groundwater encountered: Yes _____ No _____ Depth to Groundwater: 10-11.5

Groundwater impacted: Yes _____ No X Extent Defined: Yes _____ No _____ N/A X

Number of: Lab Analyses 1 Field Analyses _____ No Data _____

Methodology and/or detection devices: PVOC, Ethanol

GROUNDWATER MONITORING:

Excavation water samples: _____ # Recovery Sumps: _____
NR 141 Monitoring Wells: _____ # NR 141 Temporary Wells: 1
Priv. Water Supply Wells: _____ # Municipal Wells: _____

TOTAL # OF SAMPLE ROUNDS: 1

PRE-REMEDIAL ACTION

POST-REMEDIAL ACTION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable Std
<u>None</u>				<u>See table B</u>		

REMEDIAL ACTION TAKEN:	<u>One groundwater sample collected in order to determine if it was impacted.</u>

CLOSURE JUSTIFICATION:	<u>Groundwater does not appear to be impacted.</u>

CASE SUMMARY:	<u>A denatured ethyl alcohol tank abandoned in place. Soil samples indicated minimal amounts of contamination. Closure committee suggested the sampling of groundwater.</u>

Groundwater Remedial Action Completed: Yes X No _____ N/A _____ Has site been remediated to current standards? Yes X No _____

This recommendation for case closure is based on all the available data as of this date 9-27-94 and submitted by

Krista Neel of WPNK
(Name) (FIRM OR AGENCY)

COMMITTEE RECOMMENDATION:	REMEDIAL ACTION COMPLETED: YES <u>X</u> NO _____
FURTHER WORK NEEDED:	

CASE SUMMARY AND CLOSEOUT

PROJECT MANAGER: E. SystemFIRM OR AGENCY: WDNRDATE: 4-4-94NAME OF SITE: Herisita Protective CoatingsLOCATION: 822 S. 14th Street - Manitowish COUNTY: ManitowishTYPE OF DISCHARGE: ERP ☒ LUST ☐ Other ☐CONTAMINATION TYPE: (list all compounds) Ethyl Alcohol

PRELIM. REVIEW: _____

REMEDIAL ACTION COMPLETED
CASE CLOSEOUTDATE: 4-4-94

ROUTE TO: _____

☐ URBEN Demol☐ ROSSBERG☐ STOLLCONTAMINATION PRESENT IN: Soil ☒ Groundwater ☐ Other ☐I. SOIL:Extent Defined: Yes ☒ No ☐ N/A ☐Number of: Lab Analyses 3 Field Analyses 1 No Data 1

Methodology and/or Detection Devices: _____

Total Number of Sample Points: 3

PRE-REMEDICATION

POST-REMEDICATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable. Std
<u>See table #1</u>						

REMEDIAL ACTION TAKEN:	<u>None taken. Tank closed in place.</u>

CLOSURE JUSTIFICATION:	<u>Low levels of ethyl alcohol. Ethyl Alcohol is easily degraded by microbial activity</u>

Soil Remedial Action Completed: Yes ☒ No ☐This recommendation for case closure is based on all the available data as of this date 4-4-94 andsubmitted by Rosanne Nelson WDNR
(Name) (Firm or Agency)

II. **GROUNDWATER:** Groundwater encountered: Yes _____ No ~~_____~~ Depth to Groundwater: _____

Groundwater impacted: Yes _____ No _____ Extent Defined: Yes _____ No _____ N/A _____

Number of: Lab Analyses _____ Field Analyses _____ No Data _____

Methodology and/or detection devices: _____

GROUNDWATER MONITORING:

Excavation water samples: _____ # Recovery Sumps: _____

NR 141 Monitoring Wells: _____ # NR 141 Temporary Wells: _____

Prv. Water Supply Wells: _____ # Municipal Wells: _____

TOTAL # OF SAMPLE ROUNDS: _____

PRE-REMEDATION

POST-REMEDATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable. Std

REMEDIAL ACTION TAKEN:	

CLOSURE JUSTIFICATION:	

CASE SUMMARY:	

Groundwater Remedial Action Completed: Yes _____ No _____ N/A ~~_____~~ Has site been remediated to current standards? Yes _____ No _____

This recommendation for case closure is based on all the available data as of this date 4-4-94 and submitted by

Roxanne Nelson of WDNR
(Name) (FIRM OR AGENCY)

COMMITTEE RECOMMENDATION:	REMEDIAL ACTION COMPLETED: YES _____ NO <u>_____</u>
FURTHER WORK NEEDED: <u>SOIL APPEARS ACCEPTABLE, BECAUSE OF GROUNDWATER BEING</u> <u>ENCOUNTERED, A MINIMUM OF 1 MONITORING WELL MUST BE INSTALLED NEAR THE</u> <u>ABANDONED TANK; SAMPLE FOR VOC SCREEN & ETHANOL!</u>	

Metropolitan Sewage District approved disposal at their facility on the condition that the waste be diluted 10 to 1 prior to delivery at the facility.

Analytical Results

Analytical results for the samples are shown on Table 1. Sampling points are shown on the site map in Appendix 5.

Table 1
Analytical Results for Site
Heresite Protective Coatings, Inc. Manitowoc, Wisconsin

Date Sampled	Sample Number	Description	Detection Limit	Conc. Detect.
12-19-91	EK8742	Alcohol Std.	800 mg/l Ethnl	990,000 mg/l
12-19-91	EK8739	Tank Contents Ethnl & Water	1000mg/l Ethnl TRPH	180,000 mg/l 97.0 mg/l
12-19-91	EK8741	Field Blank	5.0 mg/l Ethnl	ND
12-19-91	OFW	Trip Blank	5.0 mg/l Ethnl	ND
01-07-92	EK8808	Soil-CTR	0.1mg/kg Ethnl	ND
01-07-92	EK8809	Soil-W	0.8mg/kg Ethnl	72 mg/kg
01-07-92	EK8810	Soil-E	0.5mg/kg Ethnl	12 mg/kg
01-07-92	EK8811	Tank Sludge	510mg/kg Ethnl	47,000 mg/kg
01-07-92	EK8811	Tank Sludge	Flash Point	> 210 F
01-16-92	EK8831	Alcohol/Water Diluted 10-1 (SN: EK8739)	200 mg/l Ethnl 5 ug/l Benzene 5 ug/l E. Benz 5 ug/l Toluene 15 ug/l Xylenes	17,000 mg/l ND ND ND ND
01-16-92	EK8832	Field Blank	5.0 mg/l Ethnl	ND

*what are
the
numbers
for this?*


The results of the soil sample analysis, as shown on Table 1, indicate that there is denatured ethyl alcohol contamination in the soil at this tank site. Laboratory analysis report sheets are located in Appendix 6.

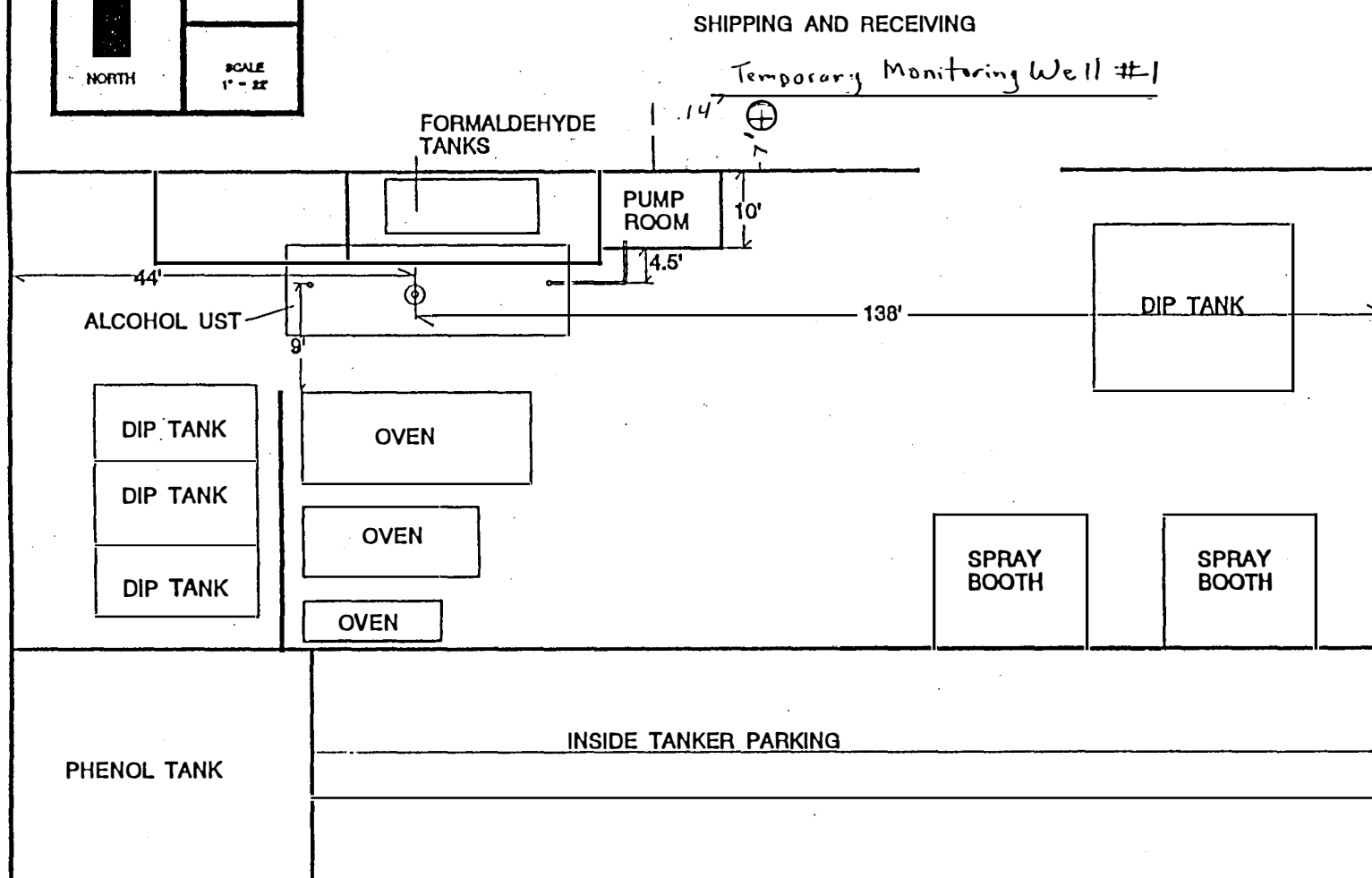
Table B
Analytical Results
Groundwater Sample

Temporary Monitoring Well #1

Substance	Results Micrograms/Liter	Detection Limit	Method
Benzene	<1*	1	SW 8020
Ethyl Benzene	<1	1	SW 8020
Toluene	4.0	1	SW 8020
O-Xylene	<1	1	SW 8020
Psm-Xylenes	<1	1	SW 8020
Ethanol	<100	100	SW 80155

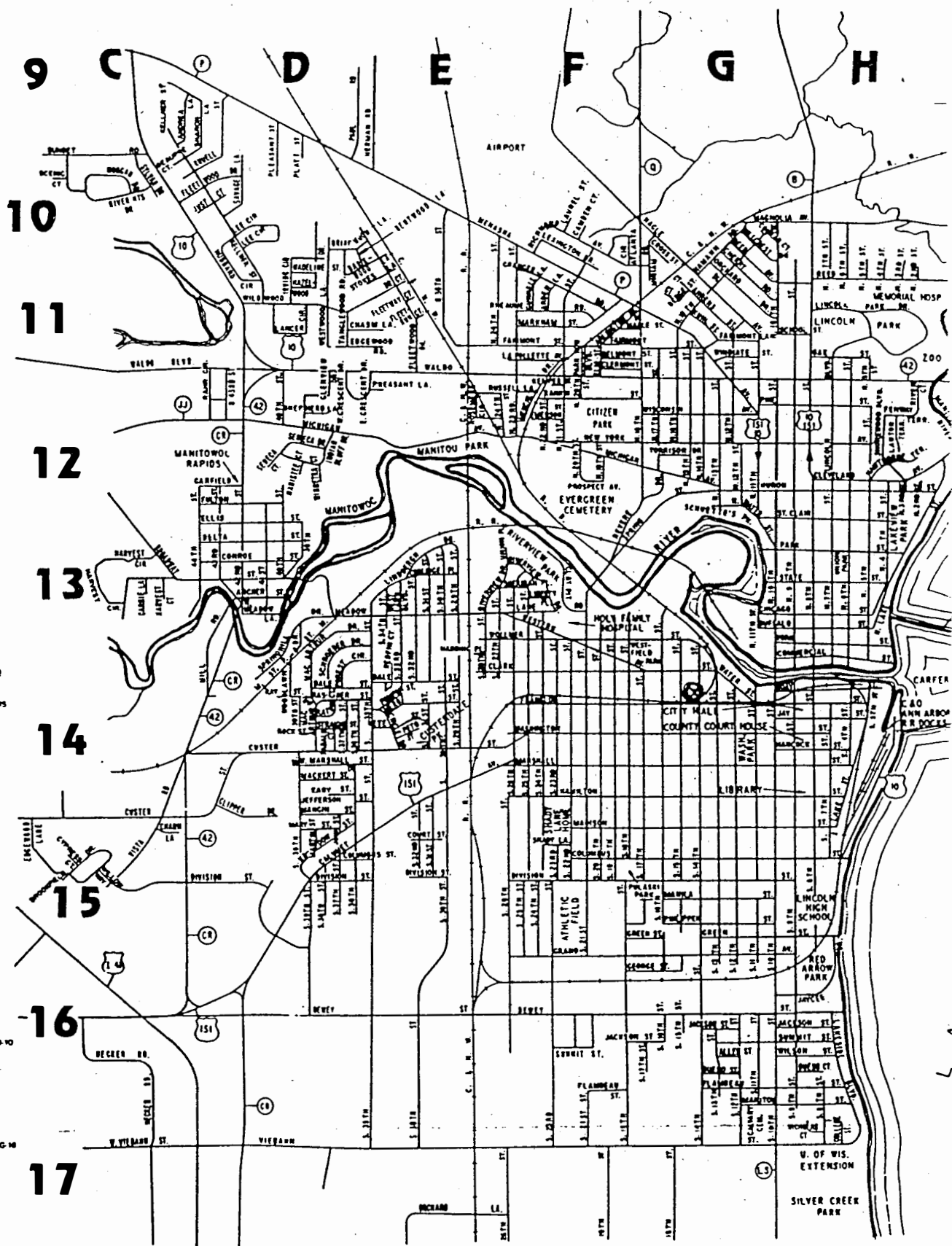
*Note: Detected Below Quantitation Limit

RECREATE PROTECTIVE COATINGS	
822 E. 14th ST.	
MANTOWOC, WI 54220	
 NORTH	0108-82
	SCALE 1" = 22'



STREET INDEX CITY OF MANITOWOC

AHRHENS CT. G-11
 ALBERT ST. G-11
 ALLEN ST. G-16
 ANDERSON ST. D-13
 ARCHER ST. D-13
 ARDEN LN. F-11
 ARLINGTON AVE. G-11
 ASH AVE. E-15
 ATLANTA CR. F-10
 BARRYWOOD LN. E-11
 BEAUPRE CT. D-10
 BELMONT ST. G-11
 BENTWOOD LN. E-11
 BERGE AVE. G-11
 BERGE CT. G-11
 BIRCH AVE. J-10
 BIRCHWOOD ST. E-11
 BROADWAY ST. D-13
 BROOKFIELD LN. C-15
 BUFFALO ST. H-13
 CALUMET AVE. E-14
 CAMDEN CT. F-10
 E CEDAR AVE. J-10
 CEDARHURST CT. J-9
 CENTER ST. G-13
 E CHARLES LN. J-9
 CHARM LN. C-15
 CHARM LN. E-11
 CHERRY RD. G-11
 CHICAGO ST. H-13
 CIRCLE DR. E-14
 CLARK ST. F-14
 CLAYTON RD. F-13
 CLEVELAND ST. G-11
 CLEVELAND AVE. H-12
 E CLEVELAND AVE. CT. J-9
 CLIPPER DR. D-15
 COLLEGE ST. H-17
 COLUMBUS ST. E-15, F-15
 COMMERCIAL ST. H-13
 CONRAD CT. G-10
 CONROE ST. D-13
 COOLIDGE PL. E-13
 COURT ST. E-15
 E CRESCENT DR. E-12
 W CRESCENT DR. E-12
 CROSS ST. G-11
 CUSTER LN. C-14
 CUSTER ST. D-14
 W CUSTER ST. G-15
 CYPRESS CT. C-15
 DAVIS DR. S-10
 DALE ST. E-14
 DELTA ST. D-13
 DEWEY ST. G-16
 DIVISION ST. E-15, F-15
 DURENO CT. H-16
 DURENO ST. G-16
 EASY ST. D-14
 EDGEWOOD RD. E-11
 ELDER DR. S-10
 ELLIS ST. D-12
 ELM ST. F-11
 EMERSON ST. F-12
 EXPO ST. C-16
 FAIRMONT LN. G-11
 FAIRMONT ST. F-11
 FERNANDEZ TER. S-12
 FERN DR. J-10
 FLAMBEAU ST. H-17
 FLEET WAY CT. E-11
 FLEETWOOD DR. E-11, D-10
 FLEETWAY CT. E-11
 FOREST CR. E-13
 FRANKLIN ST. F-14
 FRONTAGE ROAD. D-10
 FULTON ST. D-12
 GALAX DR. J-10
 GARFIELD ST. D-12
 GEORGE ST. G-16
 GLENVIEW LN. D-12
 GRAND AVE. D-16, F-16, G-16
 GRANGER RD. F-11
 GREEN ST. G-16
 GUNNELL LN. F-11
 HAMANN RD. G-10
 HAMILTON ST. G-14
 HANCOCK ST. H-14
 HARDING PL. E-13
 HARVEST CT. C-13
 HARTSHORN TER. H-12
 HAZELWOOD DR. D-11



MANITOWOC

N
▲

T1841 R24 E S30
SW 1/4

Deleted from XUST tracking

tank was abandoned in place (19,000 gal)
when active contained denatured ethyl alcohol
tank was a former railcar tanker installed
underground in facility ~ 1930's

Soils:

Nichols: very fine sandy loam.

0-2% slopes

well drained soil w/ subsoil of silty sand

tank walls corroded and slight seepage
of groundwater into tank (observed during
abandonment) Gap seal used to plug holes

denatured ethyl alcohol in soil
passive bioremediation, natural microbial
activity, E+K Hazardous Waste Services
suggest no further action

July 27th letter inaccessibility to tank
for further testing (closure samples.)

Closure Committee:

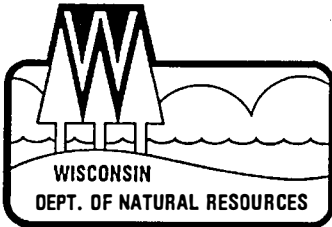
Soil appears acceptable because groundwater is encountered.

- * minimum of 1 monitoring well must be installed near abandoned tank
Sample for VOCs and ethanol

→ permanent monitoring well ~~must be installed~~
~~near abandoned tank~~ will affect plant efficiency
propose a different method

Want to test only for ethanol not full VOCs

July 22, work plan due



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

George E. Meyer, Secretary
William R. Selbig, District Director

Lake Michigan District Headquarters
Solid Waste Office
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #: (414)492-5916
Telefax #: (414)492-5859

September 27, 1994

HERESITE PROTECTIVE COATINGS
GEOFFERY LIBAN
822 SOUTH 14TH STREET
MANITOWOC, WI 54220

SUBJECT: Acknowledgement of Receipt/Request for Closure Review
Heresite Protective Coatings, 822 S. 14th Street, Manitowoc
WDNR ERRP CASE #36-00426

Dear Mr. Liban:

The Department received the above-referenced closure request on September 26, 1994.

Due to staffing levels and the backlog of non-emergency cases, requests for closure are logged and reviewed in the order they are received. After Department review of the case, you will be notified by letter that closure is either approved or that additional work is required.

Department staff will attempt to review your case within 90 days. If you have not received a response by then, please feel free to call me at (414) 492-5921 to inquire about the status of your request.

Sincerely,

Kristin Nell
Hydrogeologist
Emergency & Remedial Response Program

cc: James VandenBoom; JVB Engineering
1428 Silver Creek Road; P.O. Box 2095; Manitowoc, WI 54221-2095

RECEIVED JVB Engineering

SEP 26 1994

LMD SOLID WASTE

P.O. Box 2095
Manitowoc, WI 54220
414/683-3393

RECEIVED DNR

SEP 26 1994

LAKE MICH. DIST.

September 16, 1994

Ms. Kristin Nell
Lake Michigan District Headquarters
P. O. Box 10448
Green Bay, WI 54307-0448

Subject: Heresite Protective Coatings
ERRP Case #36-00426

Dear Ms. Nell:

On August 13, 1994, a temporary monitoring well was installed inside the building at Heresite Protective Coatings by M & K Environmental Drilling. This well was located 7' north of the wall between the Coating Department and Shipping Department and 14' east of wall between Shipping Department and filing and grinding area. This location was selected for safety reasons so that the drill rig and the vehicle it was mounted on would not accidentally contact any overhead piping or electrical switch gear.

The depth of the well was 16'-9" below floor with an additional 1" of PVC pipe above the floor. The depth to groundwater was measured with a tape and was found to be 11'-6-1/2". A sample was taken immediately using a Norton polypropylene bailer with teflon ends. This sample was taken just in case a sample could not be obtained later. This sample was collected in two-ounce glass sample containers with plastic caps supplied by the analytical lab. They were acid preserved with HCl and put into a cooler with ice and freeze packs.

The temperature of the groundwater was measured with a glass thermometer and was found to be 19 degrees C. The well was developed by removing four well volumes of water. The water was only slightly turbid and reasonably clear in sample taken. Turbidity increased dramatically during bailing. This was probably due to fine soil particles carried into well by water flow. The water had no detectable odor.

Soil from the drilling was collected and placed into a 55-gallon drum with a plastic liner. This material is still on site. All groundwater removed from the well except for the samples was collected in a five-gallon phenolic lined steel pail and is currently stored on site.

On August 14, 1994, a second groundwater sample was taken with the

bailer. This sample had a very slight turbidity and was almost clear and also had no detectable odor. It was collected in two-ounce glass sample containers supplied by CBC. Samples were filled completely so no air bubbles were in sample container and were acid preserved with HCl. They were then placed in cooler with ice and freeze packs for proper storage until conveyance to lab for analysis. The depth to groundwater was measured at 10'-8" and the groundwater temperature was found to be 19 degrees C.

On August 15, 1994, the cooler with samples was transported to CBC in Oak Creek. The lab was instructed to analyze only the samples collected on August 14, 1994, for the necessary parameters.

Analyses on sample were completed on August 17, 1994, and August 25, 1994, by CBC. Copies of the analytical results and chain of custody form for the samples are attached.

The analytical results are summarized in the attached Table B. The groundwater quality standards that are applicable are summarized in Table A. As can be seen by comparing the two tables, the results for the groundwater sample are well below the standards and in fact, for the ethyl alcohol there is no listed standard.

The only ones even detected were a trace of benzene and 4 ppb of toluene. Benzene is not used on site and although toluene is, it is far more likely that these substances came from upstream groundwater flow from southwest of the site. There are a number of LUST sites, a number of gasoline stations and a number of former gasoline stations southwest of the site.

Based on the results of this testing, we would propose that:

1. The DNR formally close out the Case ERRP #36-00426.
2. Proper abandonment of the temporary monitoring well according to NR 141 standards take place.
3. The groundwater collected from the well development be put down the sanitary sewer that flows to the Manitowoc Waste Treatment Plant.
4. The soil collected from the well installation be conveyed to their other plant and spread on bare ground at that site. (Most of present site under hard surface or grass lawn. Material is mostly clay soil and fill materials.)

Before proceeding on anything, we will wait to hear from you. If you have any questions or need more information, please contact me at 414-683-3393.

Sincerely,


James VandenBoom, P.E.
President

JV:sp

Enclosures: Table A
Table B
Chain of Custody Form
Analytical Results
Site & Well Location Maps

Table A

Groundwater Quality Standards

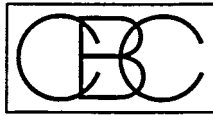
Substance	NR 140	NR 140
	Table 1	Table 1
	Enforcement Standard	Preventive Action Limit
	(Microgram/Kilogram)	(Microgram/Kilogram)
Benzene	5	0.5
Ethyl Benzene	700	140.0
Toluene	343	68.6
Xylene (Total)	620	124.0
Ethanol	Not Listed	Not Listed

Table B
Analytical Results
Groundwater Sample

Temporary Monitoring Well #1

Substance	Results Micrograms/Liter	Detection Limit	Method
Benzene	<1*	1	SW 8020
Ethyl Benzene	<1	1	SW 8020
Toluene	4.0	1	SW 8020
O-Xylene	<1	1	SW 8020
Psm-Xylenes	<1	1	SW 8020
Ethanol	<100	100	SW 80155

*Note: Detected Below Quantitation Limit



**ENVIRONMENTAL
LABORATORIES INC.**

SAMPLE RECEIPT ACKNOWLEDGEMENT

Received From:

Jim Vandenboom
JBV Engineering
1428 Silver Creek Road
Manitowoc WI 54220

FAX No.
Phone No. 414-683-3393
Client Acct. No. 01010
Client P. O. No. PD CHECK # 792

Lab COC No. 12671
Lab Project No. 09411806

Lab Project Mgr. Joanne Larson

Lab ID No. Sample Description/Analytes

94 0009055 GROUNDWATER/SET 2
08/15/94
SW 8015S, SW 8020,

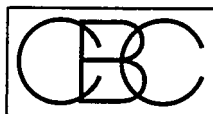
COMMENTS

01 Container Integrity: Meets Standard, Sample
Integrity: Meets Standard

Please Note Sample Information
Please call immediately if there are any questions!

When inquiring about your project, please reference Lab COC No. or Project No.

Page 1 of ____

**ENVIRONMENTAL
LABORATORIES INC.**

Date of Report: 08/31/94
Project Number: 09411806
Lab ID: 94-0009055
Account Number: 1010
Date Collected: 08/14/94 11:45
Collected By: Client
Date Received: 08/15/94 13:10
C of C Number: 12671
Temperature: Received on Ice.

Attention: Jim Vandenboom
JBV Engineering
1428 Silver Creek Road
Manitowoc WI 54220

Sample Desc: GROUNDWATER/SET 2

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Det. Limit	Procedure	Test Date
<hr/>					
ORGANIC					
GC SOLVENT SCAN					
Ethanol	<100	ug/l	100	SW 8015S	08/25/94
GC VOLATILES					
Benzene	<1.0D	ug/l	1	SW 8020	08/17/94
Ethylbenzene	<1	ug/l	1	SW 8020	08/17/94
o-Xylene	<1	ug/l	1	SW 8020	08/17/94
P,M-Xylenes	<1	ug/l	1	SW 8020	08/17/94
Toluene	4.0	ug/l	1	SW 8020	08/17/94
Ethanol result is semi-quantitative.					

Please Contact Client Services with any questions. Water samples are disposed of 30 days after receipt; soil samples will be disposed of 6 weeks after receipt; waste samples (non-water, non-soil) will be returned 6 weeks after receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.

D = Detected below the Quantitation Limit. J = Estimated below the Quantitation Limit.

Elevated Detection Limits :


@ = Due to matrix interference.

= Due to sample concentration.

\$ = Due to sample quantity.

+ = Due to extract volume.

Reviewed and Approved by:


Wes Saferite

(1) CLIENT: <u>Herco, Inc. (JVB Engineering)</u> PROJECT NAME/ #: <u>Alcohol Tank</u> PROJECT MANAGER: <u>Jim Vanden Boom</u> SAMPLER: <u>Jim Vanden Boom</u> P.O. # _____			(3) UST STATE WPDES NPDES RCRA OTHER		(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)										LAB USE ONLY ACCT # <u>1010</u> J. DATE _____ QUOTE # _____									
(2) SAMPLE IDENTIFICATION DATE TIME			(4) GRAB COMPOSITE # OF CONTAINERS SOIL WATER (Pore water) WASTE WWTP SLUDGE OTHER PRESERVATION TYPE (6)													(7) REMARKS								
(1) <u>Groundwater Set 1</u>			8/13/94			11:05 AM			<input checked="" type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Do Not Analyze Set 1		
(2) <u>Groundwater Set 2</u>			8/14/94			11:45 PM			<input checked="" type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9055			
(3)						AM/PM																		
(4)						AM/PM																		
(5)						AM/PM																Pd. ck # 792		
(6)						AM/PM																		
(7)						AM/PM																Receipt # 2273		
(8)						AM/PM																\$150.00		


TURNAROUND TIME IN WORKING DAYS NORMAL *1 *2 *3 *4 *5 *6 *7 *8 *9 *10 * FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460 EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX _____ PHONE _____ FAX # _____ PHONE # _____ CONTACT: _____					RELINQUISHED BY <u>Jim Vanden Boom</u>		DATE <u>8/15/94</u>		TIME <u>8:05 AM</u>		RECEIVED BY <u>J. Larson</u>		DATE <u>8/15/94</u>		TIME <u>8:05 AM</u>	
					<u>J. Larson</u>		<u>8/15/94</u>		<u>13:17</u>		<u>S. Mable</u>		<u>8/15/94</u>		<u>13:17</u>	
					<u>S. Mable</u>		<u>8/15/94</u>		<u>13:17</u>		<u>W. Loh</u>		<u>8/15/94</u>		<u>13:17</u>	

DATA PACKAGE OPTIONS AVAILABLE FOR A FEE (PLEASE CIRCLE IF REQUIRED) PACKAGE A B SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS				AM/PM		AM/PM	
OTHER SPECIAL INSTRUCTIONS: <u>Analyze Set 2 Only</u>				IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL: NAME: <u>Jim Vanden Boom</u> PHONE # <u>414-683-3343</u> SEND REPORTS TO <u>JVB Engineering 1428 Silver Creek Road.</u>			

HERFATE PROTECTIVE COATINGS

822 E. 14th ST.

MANITOWOC, WI 54220


NORTH

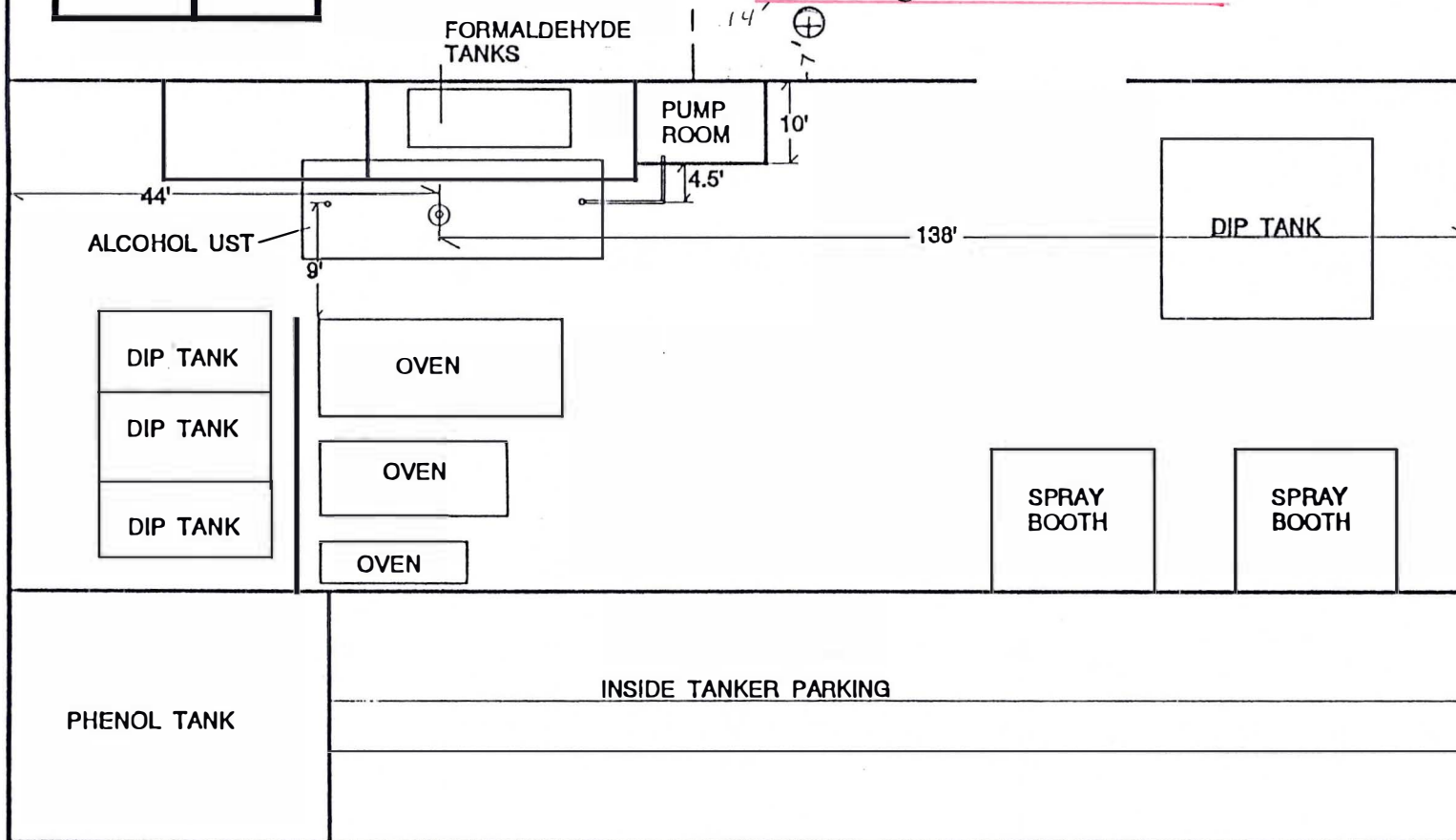
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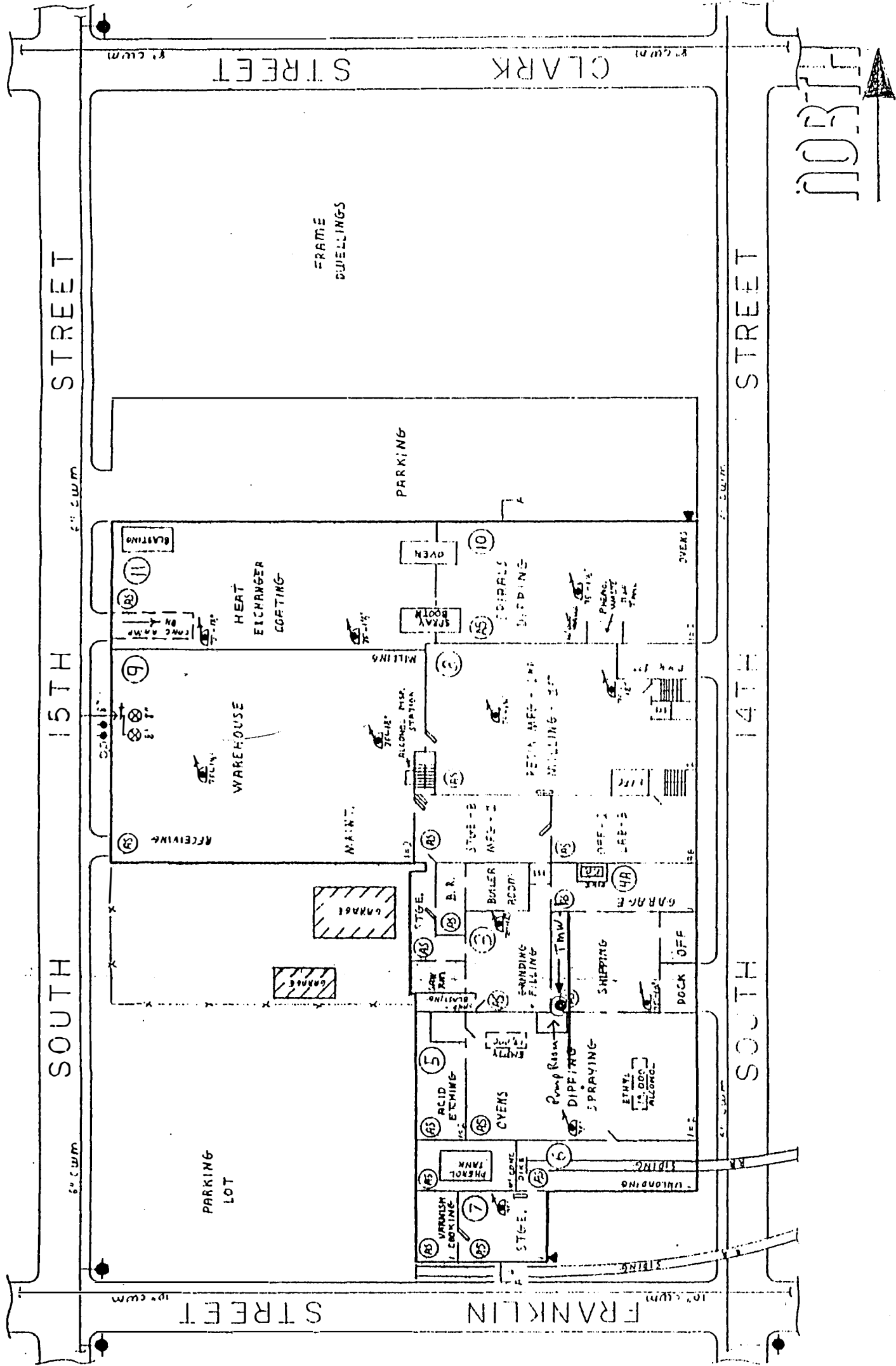
SCALE
1" = 22'



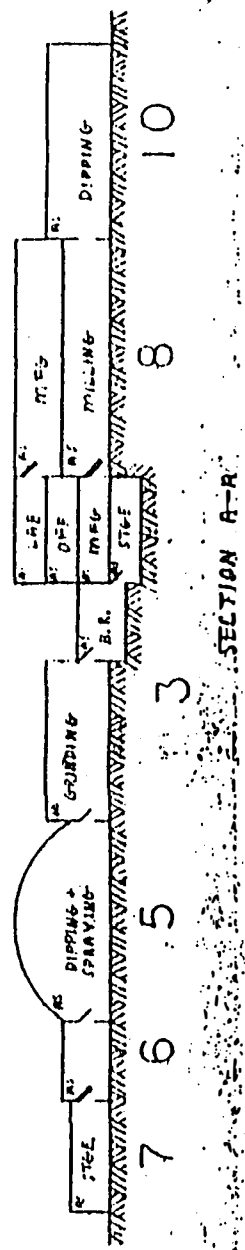
SHIPPING AND RECEIVING

Temporary Monitoring Well #1





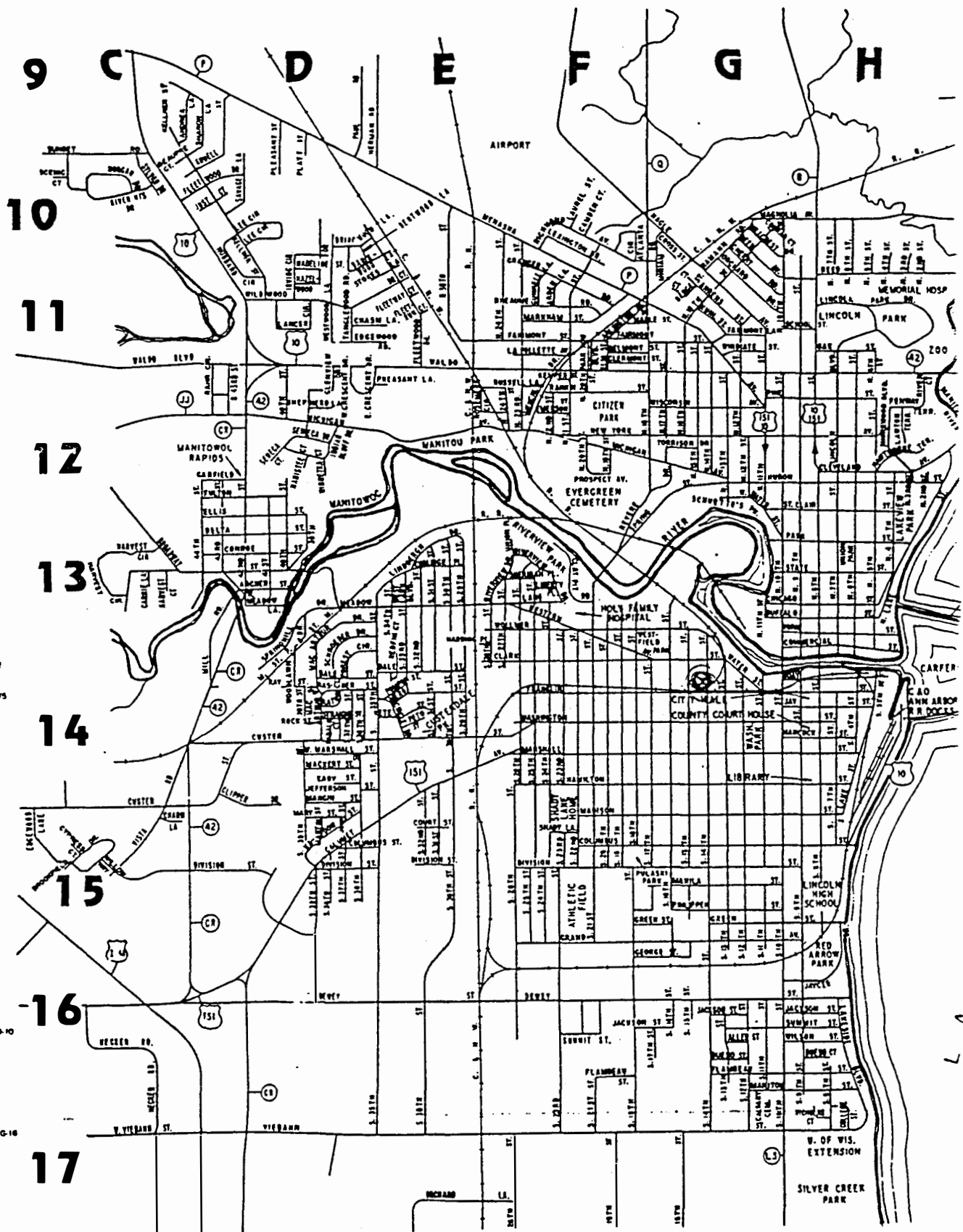
1
VERLAN LIMITED
 HAMILTON, BERMUDA
 HERESITE - SAEKAPHEN INC.
 822 SOUTH 14TH STREET
 HAMILTON, B.M.
 DRAWN BY: [illegible] DATE: 12-1-68
 CHECKED BY: [illegible] SCALE: 1" = 100'
 POLICY: 1133 PLAN: 407A



STREET INDEX

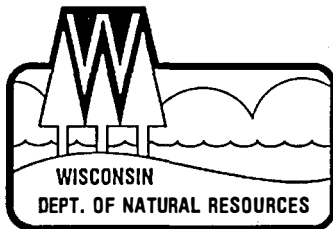
CITY OF MANITOWOC

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 ALBERT ST. G-9
 ALLEN ST. G-10
 ANDREWS LN. D-10
 ARCHER ST. D-13
 ARDEN LN. F-11
 ARLINGTON AVE. G-11
 E. ASH AVE. L-11
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 BARRYWOOD LN. E-11
 BEALPH CT. D-10
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 HANOVER TER. H-12
 HAZELWOOD DR. D-11



MANITOWOC

N



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

George E. Meyer, Secretary
William R. Selbig, District Director

Lake Michigan District Headquarters
Solid Waste Office
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #: (414)492-5916
Telefax #: (414)492-5859

July 28, 1994

HERESITE PROTECTIVE COATINGS
GEOFFERY LIBAN
822 SOUTH 14TH STREET
MANITOWOC, WI 54220

SUBJECT: Heresite Protective Coatings
ERRP CASE #36-00426

Dear Mr. Liban:

The Department has received the work plan prepared by James VandenBoom of JVB Engineering.

Currently, no project manager has been assigned to this case for oversight based on the priority ranking and Department caseload. This letter will serve as your "Notice to Proceed" with the work plan. Please be aware that you are required to comply with all applicable statutes and administrative rules including the NR 700 series, Wisconsin Administrative Code (effective May 1, 1994), hazardous waste management and wastewater discharges.

Please be aware that this letter does not represent Department "certification" that any response actions taken at your property, such as site investigation, remedial action or case closure under the ch. NR 700 series, are "approved by the Department," as those terms are used in the "remediated property; purchaser liability" section of the hazardous substance discharge law, s. 144.765, Stats.

Those persons wishing to receive a Department-issued exemption from liability under s. 144.765, Stats., must obtain a separate approval outside those standard approvals granted to sites or facilities as part of the ch. NR 700 response process. Please contact Mark Giesfeldt at (608)267-7562 or Darsi Foss at (608)267-6713 to receive further information of this program. The Department advises persons to contact the Department and receive "pre-approval" for this program at the earliest possible point in the response process, such as before developing the site investigation workplan required by ch. NR 716.

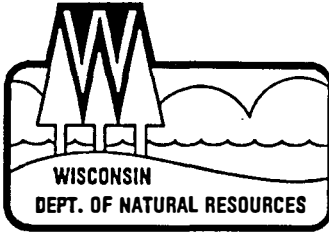
Please submit a letter documenting the progress of this case to the Department within 90 days of receipt of this notice.

If you have questions regarding this matter, please call me at (414) 492-5921.

Sincerely,

Kristin Nell
Hydrogeologist
Emergency and Remedial Response Program

cc: James Vanden Boom; JVB Engineering
1428 Silver Creek Road; P.O. Box 2095; Manitowoc, WI 54221-2095



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

George E. Meyer, Secretary
William R. Selbig, District Director

Lake Michigan District Headquarters
Solid Waste Office
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #: (414)492-5916
Telefax #: (414)492-5859

July 25, 1994

HERESITE PROTECTIVE COATINGS
GEOFFERY LIBAN
822 SOUTH 14TH STREET
MANITOWOC, WI 54220

RE: Heresite Protective Coatings
ERRP CASE #36-00426

Dear Mr. Liban:

I am writing to request an update on the status of the above referenced environmental repair case. On June 20, 1994, the Department met with your consultant, Mr. James VandenBoom, to discuss the status of this case. Since this time the Department has not received an update on this case.

Please provide the Department with an letter detailing the status of the above referenced case within 14 days of receipt of this letter. Failure to do so may result in further enforcement actions.

If you have any questions regarding this matter, please contact me at (414) 492-5921.

Sincerely,

Kristin Nell
Hydrogeologist
Emergency and Remedial Response Program

cc: James VandenBoom; JVB Engineering
1428 Silver Creek Road; P.O. Box 2095; Manitowoc, WI 54221-2095

JVB Engineering

P.O. Box 2095
Manitowoc, WI 54220
414/683-3393

RECEIVED DNR
JUL 21 1994
LAKE MICH. DIST.

July 20, 1994

Ms. Kristin Nell
Lake Michigan District Headquarters
P. O. Box 10448
Green Bay, WI 54307-0448

Dear Ms. Nell:

Please find attached the proposed work plan for closeout of the alcohol tank removal done at Heresite Protective Coatings. I will wait to contact the driller and proceed with this project until I hear from you. It will take us several weeks to line up the portable rig required for drilling in the building. Thank you.

Sincerely,



James VandenBoom, P.E.
President

JV:sp

Enclosure

WORK PLAN FOR SAMPLING & ANALYSIS
TO ALLOW CLOSEOUT OF ABANDONED IN PLACE
UNDERGROUND ETHYL ALCOHOL STORAGE TANK
AT HERESITE PROTECTIVE COATINGS

We propose to install a temporary monitoring well per NR 141.29 inside the building at Heresite. The portable truck mounted ring will be obtained by M & K Environmental Drilling and they will install the well. This well is designated TMW-1 on the attached drawings that locate both the well and the site location.

The drilling rig will be brought into the building through the garage area (Building 4A) and be stationed as close as possible to the southwest corner of the Shipping Department near the pump room. This location is northeast of the tank location and should be within 20 feet of the abandoned in place tank. The groundwater flow should be to the northeast to the river so this should be a good location. There is not enough headroom to enter the Coating Department (Dipping & Spraying, Building 5). Both the overhead door for the Shipping Department and the garage will be left open along with the door to the sandblasting booth, which will have its blower started up. This is to prevent buildup of vapors from the engine for safety reasons. The overhead door from Shipping to the Coating Department will be closed for safety reasons when drilling and to prevent sample contamination with organic vapors when sampling is being done.

The well will be installed on a Saturday to prevent interference with production and to enhance safety.

The well will then be developed and sampling will take place on a Sunday or early Monday morning to minimize possible sample contamination by vapors from the Coating Department.

The sample taken will be analyzed for the following parameters by the methods indicated:

Parameter	Detection Limit	Analytical Method
Ethanol	5.0	GC-FID Headspace Technique
Benzene	1.0	GC-Method 8020*
Ethylbenzene	1.0	GC-Method 8020*
Toluene	1.0	GC-Method 8020*
Total Xylenes	3.0	GC-Method 8020*
		Acid Preserved

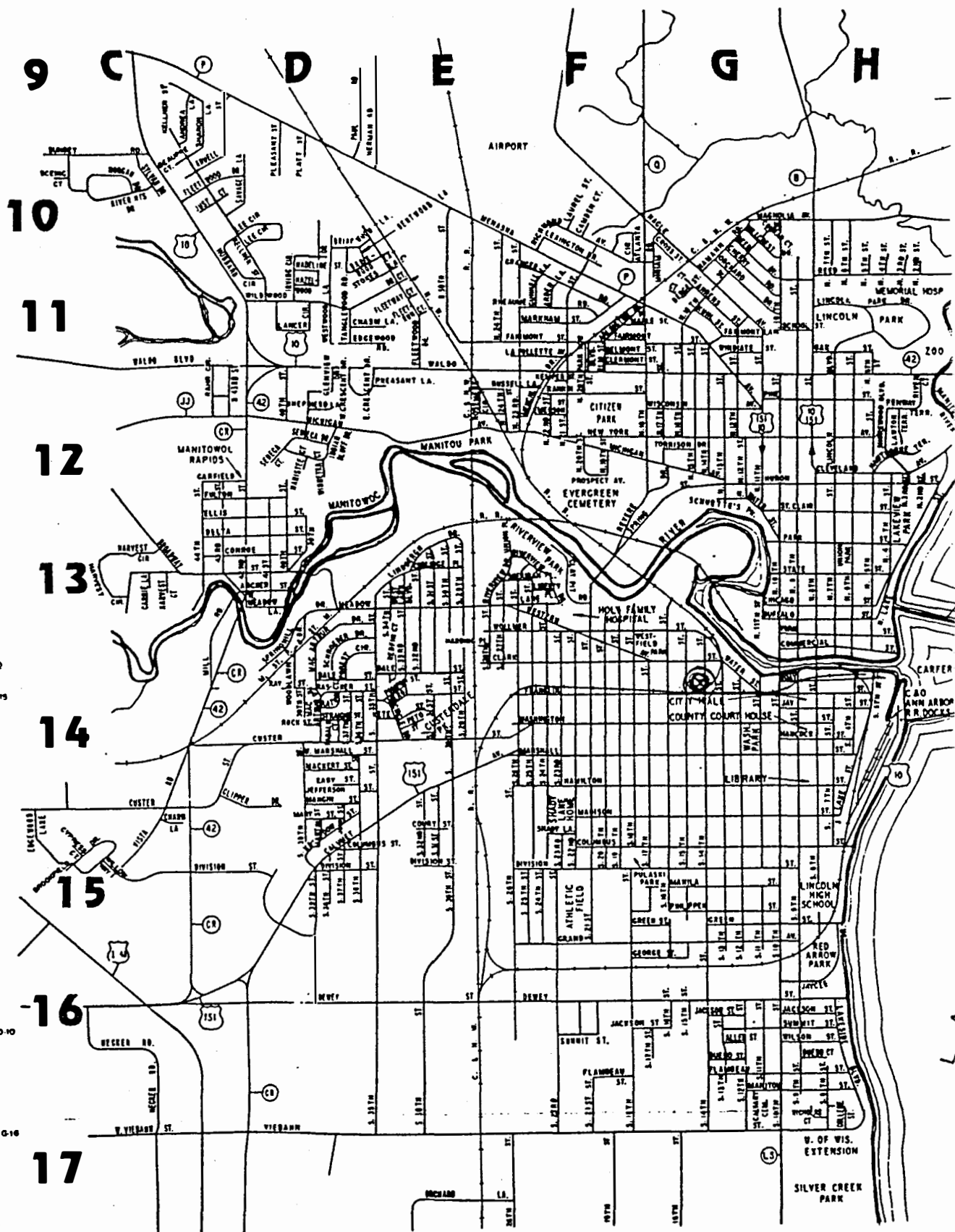
A grab sample of the groundwater from the developed well will be taken. It may be split to take to two environmental laboratories to confirm that the results of the analyses are correct. This will be determined at time of sampling. Sample(s) will be put on ice and forwarded to CBC in Milwaukee and/or Ortek in Green Bay for analysis.

Although a single previous sample of sludge and brown liquid from tank closeout contained some ethylbenzene, toluene and xylene and a field blank had traces of these materials, diluted material taken for disposal from tank to Green Bay did not contain these materials above detection limits. There is no reason to suspect that these materials would be in the tank although xylene and toluene are used in other areas on the site.

If materials other than alcohol are detected by the new sampling from the temporary monitoring well, the logical assumption would be that they are there from LUST sites or as yet unidentified leaking tank sites upstream of the groundwater floor.


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 HARVEST CT. G-10
 HARTHORN TER. H-12
 HAZELWOOD DR. D-11



MANITOWOC

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HERESITE PROTECTIVE COATINGS	
822 S. 14th ST.	
MANTOWOC, WI 54220	
 NORTH	01-08-82
	SCALE 1" = 22'

E & K Hazardous Waste
Services, Inc.

TMW

SHIPPING AND RECEIVING

FORMALDEHYDE
TANKS

PUMP
ROOM

ALCOHOL UST

DIP TANK

DIP TANK

OVEN

DIP TANK

OVEN

DIP TANK

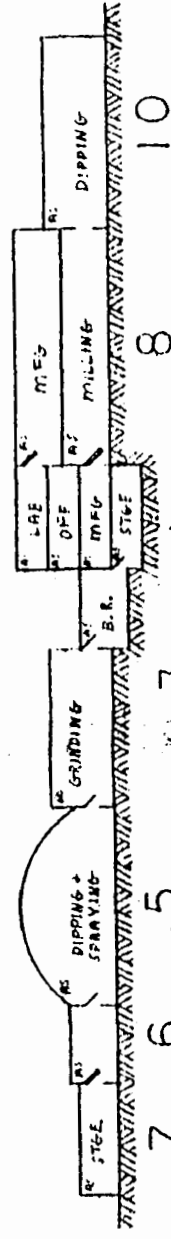
OVEN

SPRAY
BOOTH

SPRAY
BOOTH

PHENOL TANK

INSIDE TANKER PARKING



SECTION A-A

TELEPHONE LOG

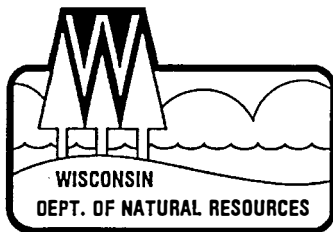
SITE NAME: Here site Protective CoatingsDATE: 6-20-94SITE NO.: 36-00426TIME: 2:30CONTACT: James VandenBoomPHONE NO.: 683-3393COMPANY/AGENCY: JVB Engineering

Met with Mr. VandenBoom today to determine what to do about groundwater samples for this site. He is still planning on putting a work plan together by July 29.

Water samples will be analyzed for PVOc and ethanol.

PVOC may be coming from another source upgradient.

WP will explain what method they will be using. (geoprobe, temporary well, monitoring well)



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

June 17, 1994

HERESITE PROTECTIVE COATINGS
GEOFFERY LIBAN, CEO
822 SOUTH 14TH STREET
MANITOWOC, WI 54220

SUBJECT: Acknowledgement of Receipt

Facility/Site Name: Heresite Protective Coatings

Project Number: 36-00426

ERRP Tracking Number: 426

Type of Submittal: Consultant Verification

Submitted By: Geoffery Liban

Date Received: June 16, 1994

Received By: Kristin Nell, Hydrogeologist
Emergency and Remedial Response Program

If you are interested in obtaining the protection of limited liability under s. 144.765, Stats., please contact Mark Giesfeldt at (608)267-7562 or Darsi Foss at (608)267-6713, in the Department of Natural Resources' Madison office for more information. The liability exemption under s. 144.765, Stats., is available to persons who meet the definition of "purchaser" in s. 144.765 (1)(c) and receive Department approval for the response actions taken at the property undergoing cleanup. The Department will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. 716 site investigation at the property.

If you have any questions regarding this matter, please contact me at (414) 492-5921.

Sincerely,

Kristin Nell
Hydrogeologist
Emergency and Remedial Response Program



ESTABLISHED 1935

"Where Quality Is A Tradition"

RECEIVED

JUN 16 1994

LMD SOLID WASTE

RECEIVED DNR

JUN 16 1994

June 14, 1994

LAKE MICH. DIST.

Licensee of
SAKAPHEN

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
P O BOX 10448
GREEN BAY, WI 54307-0448

Attention: Roxanne L. Nelezen
Program Assistant
Emergency and Remedial Response Program

Re: HERESITE PROTECTIVE COATINGS, INC.
ERRP CASE #36-00426

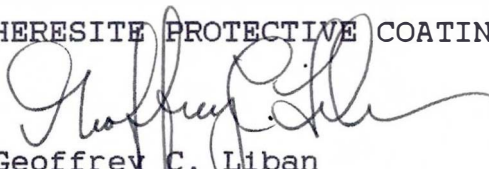
Dear Ms. Nelezen,

Please change your records to show that the proper name for our Company is HERESITE PROTECTIVE COATINGS, INC., somehow the word Heritage has been used in error.

I am writing this letter in response to your letter of May 19, 1994. At that time you requested that we inform you of the consultant we have hired in this matter. The person we have chosen is Jim VandenBoom of JVB Engineering, P.O. Box 2095, Manitowoc, WI 54220. Jim will be getting in touch with you in the near future to make further arrangements. Any specific questions you may have on this project can then be answered by Jim directly depending on the date and time of your meeting. I would assume that we could still adhere to your schedule of furnishing you a work plan by July 22, 1994. Please bring this to Jim's attention at the time of your meeting.

Sincerely,

HERESITE PROTECTIVE COATINGS, INC.


Geoffrey C. Liban
Chief Executive Officer

GCL/kk

cc: JVB Engineering

822 SOUTH 14th ST., MANITOWOC, WISCONSIN 54220
(414) 684-6646 FAX: (414) 684-0110



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

COPY

George E. Meyer, Secretary
William R. Selbig, District Director

Lake Michigan District Headquarters
Solid Waste Office
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #: (414)492-5916
Telefax #: (414)492-5859

May 19, 1994

Heritage Protective Coatings, Inc.
Geoffery Liban, CEO
822 South 14th Street
Manitowoc, WI 54220

RE: Heritage Protective Coatings, Inc.
ERRP CASE #36-00426

Dear Mr. Liban:

The Department has received the request for an extension from Mark Barber. The Department will grant you an extension to hire a consultant and submit a workplan.

By June 21, 1994, please submit written notification of the consultant you have hired.

By July 22, 1994, please have your consultant submit a workplan to address the water contamination in the area of the abandoned tank. Include a request to sample for only ethanol, this option will be reviewed at this time.

I will be transferring within the Department, if you have any questions please contact Kristin Nell at (414)492-5921.

Sincerely,

Roxanne L. Nelezen
Program Assistant
Emergency and Remedial Response Program

cc: Mark Barber; Heritage Protective Coatings, Inc.

HERESITE

PROTECTIVE COATINGS
INCORPORATED

ESTABLISHED 1935

"Where Quality Is A Tradition"

Licensee of
SAKAPHEN

RECEIVED DNR.
MAY 19 1994
LAKE MICH. DIST.

RECEIVED
MAY 19 1994
LMD SOLID WASTE

May 18, 1994

State of Wisconsin
Department of Natural Resources
Lake Michigan District Headquarters
1125 North Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448

Attention: Roxanne L. Nelezen
Program Assistant, Emergency & Remedial Response Program

Reference: ERRP Case #36-00426


Dear Ms. Nelezen:

We received your letter dated April 17, 1994 on April 20, 1994. Due to the fact that the closed tank is located in a vital production area of our plant, a permanent monitoring well would affect plant efficiency. Therefore, we propose a different temporary method be used to obtain the needed groundwater sample(s). Secondly, when in use the tank in question contained only virgin denatured ethanol. We suggest the sample(s) be tested only for ethanol and not the full VOC's. Lastly, E & K Superior, the firm that closed the tank in January 1992, can no longer serve our needs in this area. Therefore, given these three items, we will need an extension to the submittal of a formal work plan to remediate this site.

If you have any questions or comments, please contact Geoffrey Liban, CEO, or myself at (414) 684-6646.

Sincerely,

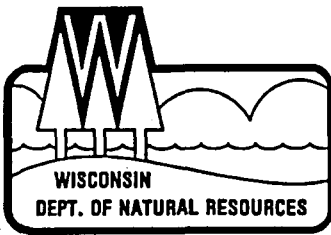
HERESITE PROTECTIVE COATINGS, INC.


Mark Barber
Lab Technician

MB/kml

Enclosure

822 SOUTH 14th ST., MANITOWOC, WISCONSIN 54220
(414) 684-6646 FAX: (414) 684-0110



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

April 17, 1994

Heritage Protective Coatings, Inc.
Geoffery Liban, CEO
822 South 14th Street
Manitowoc, WI 54220

RE: Heritage Protective Coatings, Inc.
ERRP CASE #36-00426

Dear Mr. Liban:

As you are aware, the Heritage Protective Coatings, Inc. ERRP CASE #36-00426 was recently submitted to the case closeout committee. This panel reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. After a careful review, the panel has decided this case cannot be closed at this time.

The committee is requesting further work to insure the water quality. The committee is requiring that a minimum of one monitoring well is placed near the abandoned tank. The sample shall be analyzed for Volatile Organic Compounds (VOC's) and ethanol. If the water quality of the sample is below the ground water standards in NR 140, Wisconsin Administrative Code, this case can again be submitted for closure review.

Within 60 days, please submit a work plan to remediate this site.

If you have any questions regarding the content of this letter, please contact me at (414)492-5921.

Sincerely,

Roxanne L. Nelezen
Program Assistant
Emergency & Remedial Response Program

cc: Peter Madden; Superior Environmental Services
P.O. Box 1249; Sheboygan, WI 53082-1249



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

July 29, 1993

COPY

Heresite Protective Coatings, Inc.
Geoffrey Liban, CEO
822 South 14th Street
Manitowoc, WI 54220

SUBJECT: Acknowledgement of Receipt

Facility/Site Name: Heresite Protective Coatings, Inc.

ERRP Tracking Number: 36-00426

Type of Submittal: Final Report and Closure Review Request

Submitted By: Superior Environmental Services, Inc.
Peter Madden

Date Received: July 28, 1993

Received By: Wawa K. Quandt
Wawa K. Quandt, Environmental Specialist
Emergency and Remedial Response Program

Note: A closure review assessment will be made on this case as requested. Due to a backlog of review requests and Departmental workloads, this case will not be submitted to the Closure Review Panel until their monthly October meeting. If you have any questions, please contact me at (414)492-5921.

RECEIVED
JUL 28 1993
LMD SOLID WASTE

July 27, 1993

Ms. Wava Quant
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
1125 N. Military Ave.
Green Bay, WI 54307-0448

re: Heresite Protective Coatings (ERRP case #36-00426)

Dear Ms. Quant;

The attached report is being sent to you in response to your letter of April 27, 1993 to Heresite. As we discussed in our telephone conversation a few weeks ago, this report makes the recommendation for a closure based on the nature of the material the tank held (alcohol) and the inaccessibility of the tank for further testing. I spoke with Mr. Geoffrey Liban of Heresite, who gave me permission to release this report to you.

The two people who were involved with this project from E&K (Dean Kelley) and Heresite (Ed Blake) are no longer in the positions they held at the time this project was done. E&K proposed the project to Heresite and carried it out as noted in this report. The conclusions stated in this report were accepted at the time by the representative for Heresite.

If the Department determines that additional action is needed at this site, please contact Mr. Liban at Heresite. For E&K to have further involvement with this project, we will need to arrange for a contract with Heresite.

Sincerely,



Peter Madden
Manager of Environmental Services

cc: Mr. Geoffrey Liban, Heresite

enclosure



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

April 27, 1993

Heresite Protective Coatings, Inc.
Goeffrey C. Liban, CEO
822 South 14th Street
Manitowoc, WI 54220

RE: ERRP CASE #36-00426.

Dear Mr. Liban:

I have reviewed the Site Assessment and Closure Report completed by E&K Hazardous Waste Services, Inc. for the denatured alcohol Underground Storage Tank (UST) release at Heresite Protective Coatings, Inc.

Before this case can be considered for closure review, several matters must be addressed. The information provided to the Department identifies the contents of the UST as denatured alcohol. Soil and groundwater samples should be analyzed for the parameter which was released. A standard from the actual product released can be compared to the soil sample analysis.

As I explained in our April 25, 1993 telephone conversation, it will be necessary to submit closure samples before this case can be considered for closure review. Although your consultant has recommend passive boiremediation for this release, closure samples will still need to be collected and analyzed to determine whether this is\has been an effective form of remediation.

The Executive Summary of this report indicates that groundwater was encountered during the tank removal, and that there was a probability that groundwater had been impacted, yet no groundwater samples were completed. As part of the continued investigation\remediation of this site, groundwater samples should be collected and analytical results submitted to the Department.

The Site Assessment report does not include a chain of custody form. Please submit this document with you final report.

If you have any questions regarding this matter, please call me at the number listed above.

Sincerely,

Wava Kay Quandt
Environmental Specialist
Emergency and Remedial Response Program

cc: Peter Madden; E&K Hazardous Waste Services, Inc.
2905 Paine Avenue; PO Box 1249; Sheboygan, WI 53082-1249



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SAKAPHEN

RECEIVED
APR 26 1993
LMD SOLID WASTE

April 23, 1993

State of Wisconsin
Department of Natural Resources
Lake Michigan District Headquarters
1125 North Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448

Attention: Wava Kay Quandt
Environmental Specialist, Emergency & Remedial
Response Program

Re: Former LUST CASE #36-01178. Heresite Protective Coatings
ERRP CASE #36-00426

Dear Ms. Quandt:

We received your letter dated April 20, 1993 on Thursday, April 22, 1993. We believe this matter involves an alcohol tank which was abandoned in our facility in early January of 1992 by E & K Hazardous Waste Systems. In discussions with Peter Madden of E & K he feels there may be some facts which you have not been given. Because of that I have enclosed the following:

1. Letter dated August 10, 1992 from our former technical director Edward Blake to Mary Robl of the LUST unit in Green Bay.
2. A copy of the tank closure report completed by E & K Hazardous Waste Systems of Sheboygan.

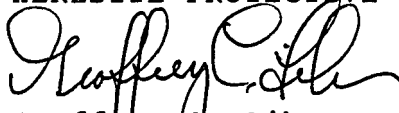
In his letter of August 10, 1992 Ed Blake does mention that the concentrations around the tank were low and that ethyl alcohol is readily biodegradable so that the threat of contamination is low. In addition, he also mentioned that since this tank was located underneath the floor of the production area it is not possible for this concentration to be spread by rain water. The final item is that because of its location it was deemed too expensive to remove the tank from the current location and instead was abandoned in place.

822 SOUTH 14th ST., MANITOWOC, WISCONSIN 54220
(414) 684-6646 TWX: 910-260-2406 FAX: (414) 684-0110

I am hopeful that this information will clarify this matter for you. Please feel free to give us a call should you have further questions. This is the first and only underground tank that we have abandoned. In order to insure that we had done this properly, we enlisted the aid of Dean Kelly and his people at E & K Hazardous Waste Systems. Your timely reply would be appreciated.

Sincerely,

HERESITE PROTECTIVE COATINGS, INC.

A handwritten signature in black ink, appearing to read "Geoffrey C. Liban". The signature is fluid and cursive, with the first name being the most prominent.

Geoffrey C. Liban
Chief Executive Officer

GCL/kml

Enclosure

cc: Peter Madden, E & K Hazardous Waste Systems
Thomas Fritzke, Heresite Protective Coatings



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"Where Quality Is A Tradition"

August 10, 1992

Wis. Dept. of Natural Resources
Leaking Underground Storage Tank Unit
1125 N. Military Ave
P.O. Box 10448
Green Bay, WI 54307-0448

Attention: Mary Robl

Re: LMD Unique ID #36-01178

Dear Ms. Robl:

We received Ms. DeBrock's June 10 letter concerning the above Underground Storage Tank.

Please note that this tank was not used to store petroleum products. The tank was used to store denatured ethyl alcohol. The Lower Explosive Limit for this substance is 3.3%. The quantity of material found in the soil samples was 72 mg/kg. Since this level is far below the LEL, no explosion risk exists.

Ethyl alcohol is readily biodegraded into vinegar or carbon dioxide and water. The tank is under the floor of our building, protected from rain water that would carry the alcohol elsewhere. From this standpoint, the site is stable. The best remediation plan for this situation is to allow naturally occurring bacteria to biodegrade the ethyl alcohol.

Please send all correspondence on this matter to:

D. Edward Blake
P.O. Box 250
Manitowoc, WI 54221-0250

Regards,

HERESITE PROTECTIVE COATINGS, INC.

D. Edward Blake
Technical Director

DEB/kmo

822 SOUTH 14th ST., MANITOWOC, WISCONSIN 54220
(414) 684-6646 TWX: 910-260-2406 FAX: (414) 684-0110



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

COPY

April 20, 1993

Heresite Protective Coatings
D. Edward Blake
822 S. 14th Street
Manitowoc, WI 54220

RE: Former LUST CASE #36-01178. Heresite Protective Coatings.
ERRP CASE #36-00426.

Dear Mr. Blake:

The Wisconsin Department of Natural Resources (WDNR) Emergency and Remedial Response Program (ERRP) has been notified that soil and/or groundwater contamination was discovered at the above-referenced location. The LUST unit cases are limited to releases of petroleum products. Therefore, this case has been transferred to the ERRP unit for case overview. This case has been currently ranked as an UNKNOWN priority. The purpose of this letter is to inform you of your legal responsibilities to address this situation.

The WDNR proceeds in contamination cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substances" encompasses any waste of a solid, semisolid, liquid, or gaseous form that can cause harm to the environment or human health.

Wisconsin Statute 144.76(2)(a) states: "A person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempt under sub. (9)."

Wisconsin Statute 144.76(3) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state."

Because you possess or control a hazardous substance that has been released to the environment, the Department identifies you as a party responsible for taking the actions necessary to restore the environment. As the responsible party:

1. You will need to hire a qualified environmental, hydrogeologic, or engineering consultant to conduct a remedial investigation of soil and groundwater. A document titled "Selecting an Environmental Consultant" and a Consultant Listing is enclosed for your convenience. Regardless of the priority designation, you are required to proceed with the investigation and clean-up effort.
2. Within 10 days of receipt of this notice, please provide me with a letter containing the name of the consultant you have retained. The consultant that you hire will have 45 days to submit a workplan. Your consultant should send a map of the site location (legal description), the date the investigation will begin, and immediately identify all drinking water wells within 1200 feet of the site.
3. The Department must be notified of any additional information you possess that can aid in determining a priority for this site. The general information the Department requires from you to prioritize cases includes: a description of any documented groundwater or surface water contamination, the site status and years of operation, and any investigation or remediation efforts that have occurred at this site.
4. Upon completion of the investigation, a remedial action(s) necessary to clean up contaminated soil and groundwater will be chosen and implemented. You must dispose of or treat all products, soils, wastewater, or sludges in compliance with

all applicable federal, state, and local laws and regulations.

Due to the Department's workload, it is necessary to prioritize all contamination cases. The system that is being utilized at this time follows this format:

- a. Case identification
- b. Priority rank (High, Low, and Unknown)
- c. Responsible party notification letter
- d. Prescore cases (for potential threat to public health, safety, welfare, and the environment)
- e. Responsible party hires a consultant...investigation phase begins
- f. Remedial design and remedy selection phase (review of design by DNR if high priority)
- g. Remedial action
- h. Long term monitoring/maintenance...if necessary
- i. Close out...this step can only be attained once all remediation is complete and there is no further contamination of soils, groundwater, surface water and air. It is necessary that sampling show no detection exceeding those laws that are applicable to the situation.

High priority sites have assigned WDNR Project Managers who are actively reviewing and approving investigation and remediation plans. Low priority cases do not always have assigned project managers; however, responsible parties are required to proceed with investigation and clean-up efforts.

Unknown cases are those cases which do not have adequate information to rank. These cases are treated as a HIGH until information is obtained to assign a priority. I will answer any questions that you may have on this case, however, I am not a project manager for this case.

If you consider any previous investigation and/or clean-up effort to be sufficiently complete you must provide a detailed report with analytical documentation justifying your position. The Department will make a final determination if close-out of this case can be considered.

Your cooperation in this matter will be appreciated. If you have any question in regard to the contents of this letter, please call me at the number located on the letterhead.

Sincerely,

Wava Kay Quandt

Wava Kay Quandt
Environmental Specialist
Emergency & Remedial Response Program

Enc: Site Investigation Checklist
Selection Criteria
Consultant List

cc: ETK Pete Madden



State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

File Ref:

2-17-93

This is not a petroleum UST case! The UST contained denatured ethanol ($\text{CH}_3\text{CH}_2\text{OH}$). If anything, it's an ERF case.

However, ethanol is pretty benign, so I would evaluate whether any action is needed. There's plenty of real problems to work on.

— Matt Hostak —



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"Where Quality Is A Tradition"

August 10, 1992

RECEIVED DNR

AUG 12 1992

LAKE MICHIGAN DISTRICT

Wis. Dept. of Natural Resources
Leaking Underground Storage Tank Unit
1125 N. Military Ave
P.O. Box 10448
Green Bay, WI 54307-0448

Attention: Mary Robl

Re: LMD Unique ID #36-01178

Dear Ms. Robl:

We received Ms. DeBrock's June 10 letter concerning the above Underground Storage Tank.

Please note that this tank was not used to store petroleum products. The tank was used to store denatured ethyl alcohol. The Lower Explosive Limit for this substance is 3.3%. The quantity of material found in the soil samples was 72 mg/kg. Since this level is far below the LEL, no explosion risk exists.

Ethyl alcohol is readily biodegraded into vinegar or carbon dioxide and water. The tank is under the floor of our building, protected from rain water that would carry the alcohol elsewhere. From this standpoint, the site is stable. The best remediation plan for this situation is to allow naturally occurring bacteria to biodegrade the ethyl alcohol.

Please send all correspondence on this matter to:

D. Edward Blake
P.O. Box 250
Manitowoc, WI 54221-0250

Regards,

HERESITE PROTECTIVE COATINGS, INC.

D. Edward Blake
Technical Director

DEB/kmo

822 SOUTH 14th ST., MANITOWOC, WISCONSIN 54220
(414) 684-6646 TWX: 910-260-2406 FAX: (414) 684-0110



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besedny
Secretary

1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
TELEFAX 414-492-5913

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

June 10, 1992

Mr. D. Edward Blake
Heresite Protective Coatings
822 S. 14th Street
Manitowoc, WI 54220

COPY

RE: Petroleum Contamination from Underground Storage Tank System
Heresite Protective Coatings, 822 S. 14th Street, Manitowoc
LMD Unique ID #36-01178

Dear Mr. Blake:

The Wisconsin Department of Natural Resources (WDNR) was notified on June 3, 1992, that petroleum contamination was discovered at the above-referenced location. Based on the limited site-specific information provided, this case has been assigned to the UNKNOWN PRIORITY rank group until further information is received to rerank it. The purpose of this letter is to inform you of your legal responsibilities to address this situation.

Releases from underground storage tanks regulated under Subtitle I of the Resource Conservation and Recovery Act require compliance with the provisions of 40 CFR, Parts 280 and 281. The Environmental Protection Agency (EPA) has the authority to take enforcement action at any time, but will generally not take actions against parties cooperating with the state. The WDNR proceeds in LUST cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substance" as found in s. 144.01(4m), Stats., includes petroleum products.

Wisconsin Statute 144.76(2a) states: "A person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempt under sub. (9)."

Wisconsin Statute 144.76(3) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state."

Because you possess or control a hazardous substance that has been released to the environment, the Department identifies you as the party responsible for taking the actions necessary to restore the environment. The conditions present at this site pose a potential threat to human health and/or the environment. You are required to immediately identify any risks or explosive vapors and/or well contamination. You are required to conduct an investigation to determine the extent of contamination, the potential for groundwater impacts, and the remedial

action(s) necessary to clean up contaminated soil and groundwater. You must dispose of or treat all products, soils, wastewater, or sludges in compliance with all applicable federal, state, and local laws and regulations. All groundwater remediation projects which discharge to surface or groundwater (including all discharges to storm sewers) must be covered by a WPDES Discharge Permit. The only discharges not requiring a permit are those to a sanitary sewer; however, in those cases, the treatment facility receiving the discharge and the owner of the sewer system must be contacted for approval. An application must be submitted as early as possible to allow time for needed monitoring or additional data collection prior to discharge. The permit will contain discharge limits for pollutants of concern, along with sampling frequency and test methods.

Before any contaminated soil can be treated or disposed, an "Application to Treat or Dispose of Petroleum Contaminated Soil" must be completed and approved by the DNR; however, prior approval by the DNR is not necessary if soil is to be buried at a landfill. Until the contaminated soils can be treated or disposed of, they should be stored on an impermeable surface, bermed to prevent runoff and runoff, and covered with an impermeable cover material such as plastic.

The Department requests that you hire a qualified environmental hydrogeologic or engineering consultant and that, within 120 days, your consultant should complete the initial site investigation and submit a site investigation report, to include a recommendation for future remedial investigation/action. Based on the information in the report, we will be able to reran the case. If groundwater is suspected to be impacted, please notify your WDNR project manager immediately, as this may cause the case to be ran ed as a high priority--in which case, approval from your WDNR project manager may be required prior to implementing any remediation program; also, all wells within 1200 feet should be identified on a site map and those closest to the site should be sampled.

You are encouraged to contact the Department of Industry, Labor & Human Relations (DILHR), the state agency that administers the Petroleum Environmental Cleanup Fund (PECFA). This fund may reimburse you for eligible costs associated with the remedial investigation and cleanup. DILHR should be contacted at (608) 267-4545 to obtain current information regarding the PECFA program.

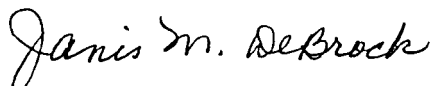
Your cooperation in this matter will be appreciated. Please be aware that your ability to use PECFA funds is dependent on your cooperation in adequately addressing this problem. Failure to comply with these requirements could subject you to further enforcement action.

Due to the workload and staffing levels, at this time no WDNR project manager has been assigned to this case. However, all correspondence and reports should be forwarded to the following address:

Wisconsin Department of Natural Resources
Leaking Underground Storage Tank Unit
Attn: Mary Robl
1125 N. Military Avenue, PO Box 10448
Green Bay, WI 54307-0448

All correspondence and reports should be identified with the assigned LMD unique ID number.

Sincerely,

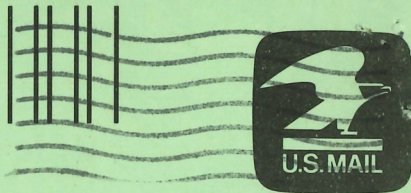
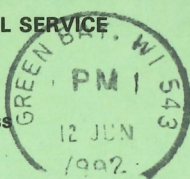


Janis M. DeBrock, Program Assistant
Leaking Underground Storage Tank Unit

cc: DILHR, 2331 San Luis Place, Green Bay, WI 54304
Fred Ringle / Dean Kelley, E & K Hazardous Waste Services, Inc., 2905 Paine Avenue, Sheboygan,
WI 53081

UNITED STATES POSTAL SERVICE

Official Business

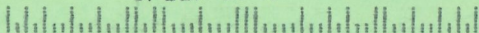


PENALTY FOR PRIVATE
USE, \$300

Print your name, address and ZIP Code here

M. Robl

DEPARTMENT OF NATURAL RESOURCES
LAKE MICHIGAN DISTRICT HEADQUARTERS
1125 NORTH MILITARY AVENUE
P. O. BOX 10448
GREEN BAY, WI 54307-0448



SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Heresite Protective Coatings
Attn: Mr. D. Edward Blake
822 S. 14th Street
Manitowoc, WI 54220
Re: Heresite Protective Coating
LMD ID #36-01178

4a. Article Number

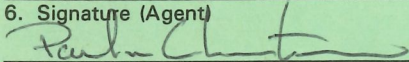
P 860 375 035

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

6-12-92

5. Signature (Addressee)**6. Signature (Agent)****8. Addressee's Address (Only if requested and fee is paid)**

P 860 375 035



Certified Mail Receipt

No Insurance Coverage Provided

Do not use for International Mail

(See Reverse) M. Robl

Sent to

Mr. D. Edward Blake

Street & No.

822 S. 14th St.

P.O., State & ZIP Code

Manitowoc, WI 54220

Postage

\$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing
to Whom & Date Delivered

Return Receipt Showing to Whom,
Date, & Address of Delivery

TOTAL Postage
& Fees

\$

Postmark or Date

Re: Heresite Protective
Coatings

LMD ID #36-01178

PS Form 3800, June 1990



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May 27, 1992

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RECEIVED

JUN 03 1992

LMD SOLID WASTE

Wisconsin Department of Natural Resources
Underground Storage Tank Program
1125 N Military Road
Green Bay WI 54307

Gentlemen:

Enclosed is a report from E&K Hazardous Waste Services, Inc. concerning the closure of an underground storage tank that was previously used for the storage of denatured ethanol.

If you have any questions concerning this project, please contact me at 414-684-6646.

Regards,

HERESITE PROTECTIVE COATINGS, INC.

D. Edward Blake

D. Edward Blake
Technical Director

DEB/slm

Enclosure

RECEIVED
JUN 03 1992
LMD SOLID WASTE

Site Assessment and Closure Report for:

Underground Storage Tank Closure at

**Heresite Protective Coatings, Inc.
822 S. 14th Street
Manitowoc, WI 54220**

JANUARY 8, 1992

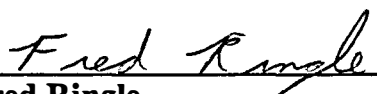
Prepared for:

**Mr. D. Edward Blake
Heresite Protective Coatings, Inc.
822 S. 14th Street
Manitowoc, WI 54220**

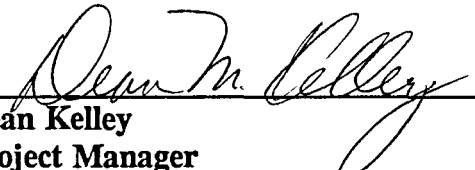
Prepared by:

**E & K Hazardous Waste Services, Inc.
2905 Paine Avenue
Sheboygan, WI 53081**

May 7, 1992



Fred Ringle
Project Assistant



Dean Kelley
Project Manager

Introduction

This report presents the results of E & K Hazardous Waste Services Inc. activities in connection with the cleaning and closure in-place of one 19,000 gallon denatured ethanol underground storage tank at 822 S 14th Street in Manitowoc, Wisconsin.

The tank closure was performed at the request of D. Edward Blake, Technical Director, Heresite Protective Coatings, Inc. 414-684-6646. E & K Hazardous Waste Services, Inc. monitored soil conditions at the site and performed the closure of the tank. Diagrams depicting the locations of the UST and the adjacent surroundings are presented in Appendix 5. A United States Geological Survey map and a City of Manitowoc map are located in Appendix 1. The completed Wisconsin Department of Industry, Labor and Human Relations (DILHR) Underground Petroleum Product Tank Inventory Form (SBD-7437) is presented in Appendix 2. The Wisconsin Department of Industry, Labor and Human Relations issued authorization to close the tank in place, a copy of the authorization is also included in Appendix 2. Fire Department personnel from the City of Manitowoc were notified prior to the tank closure of the impending action. No Fire Department personnel were on site at the time of the closure.

Executive Summary

Soil samples were collected to determine if contamination of the soil had occurred at the site. Laboratory analyses indicated that a low level of ethanol had been released from the underground storage tank. Groundwater was encountered at the site and there is a potential that groundwater has been contaminated by the release from the tank.

Scope of Work

E & K Hazardous Waste Services Inc. supplied personnel and equipment and performed the following services:

- Pumping, degassing, cleaning, and ultimate closure of the UST.
- Containerization and Disposal of wastes generated in cleaning the tank.
- Obtained soil samples that were representative of the site.
- Submitted samples for analysis.
- Compiled the necessary data to complete this report.

Tank and Site History

The site is a manufacturing facility which produces high quality coatings for various industrial needs. The 19000 gallon tank was used for storage of denatured ethanol used in the manufacturing process. The owner of the property has no actual knowledge of the past history of the tank prior to its installation at the facility. The tank is assumed to be a former railcar-tanker which was retrofitted and installed for use as an underground storage tank back in the late 1930's.

Site Location, Topography, and Soils

The facility is located at 822 S. 14th Street in Manitowoc, Wisconsin. The site lies in Township 18 North, Range 24 East, in the City of Manitowoc (SW 1/4, of the NE 1/4, Section 30).

The native soils at this site are mapped as Nichols very fine sandy loam in the Soil Survey of Calumet and Manitowoc Counties, Wisconsin (July 1978). This soil typically formed in sandy deposits and is characterized by zero to two percent slopes. The soil consists of well drained soils that have a subsoil of silty sand.

Site Activities

The 19000 gallon tank which was closed during this project had been used to provide storage for denatured ethyl alcohol used in the manufacturing processes at this facility. Prior to closure, an inspection of the facility and sampling of the tank contents for an analytical baseline was conducted by E & K personnel on December 19, 1991.

On January 6, 1992 the tank was opened and the contents were pumped out into a semi-tanker. Color Photographs of the tank location in the facility and its proximity to other aboveground storage tanks in the plant are contained in Appendix 4.

The tank bed was located on the interior south side of the building (See Appendix 5, Site Map). After pumping the contents of the tank, which generated approximately 2500 gallons of liquid, E & K technicians using evacuator fans, ventilated the tank monitoring the lower explosive limit

of the vapors. Ventilation was performed prior to and during tank entry and cleaning. On January 7, 1992 the interior of the tank was inspected and physically cleaned by E & K Technicians. The tank was entered following E & K confined space entry safety procedures. The tank walls were drilled through and soil samples were taken with a stainless steel soil probe/trier. The soil was moist which indicated groundwater was present in the area of the tank. As required in ILHR 10 for tank closure in place, three soil samples were taken, one from each end of the tank and one from the center base of the tank. Additionally, a sample of the tank cleanout material which had been previously drummed was taken for waste disposal purposes. (See the Chain of Custody in Appendix 3.) During inspection, the tank walls were found to be very corroded and slight seepage of groundwater into the tank was observed. E & K technicians sealed the seeping areas of the tank walls with "GAP SEAL", an inert silicone patching compound, prior to the filling procedure. Once the tank was cleaned and samples were taken, preparations were made for filling the tank.

Samples were placed in a cooler and packed with ice for storage and transport to a WDNR Certified Laboratory. Due to the fact the tank was used to store denatured ethyl alcohol, no headspace samples were taken.

Soil and Waste Sampling Procedures

Soil samples were taken in native soil at the midpoint of the tank on each end and at the center base of the tank. The soil samples were placed into Teflon-capped glass jars and cooled by placing them in a cooler filled with ice. The soil samples were transported to E & K and subsequently shipped to ORTEK Environmental Laboratories, a Wisconsin-certified laboratory in Green Bay, Wisconsin.

Samples were handled according to EPA protocol, including chain-of-custody procedures. A copy of the chain-of-custody is included in Appendix 3. Sample results are included in Table 1. Additional sampling and analytical work was performed in order to facilitate disposal of the liquid and sludge which had been pumped out of the tank prior to cleaning and sampling. Since the material was an alcohol, disposal was sought at a waste water treatment plant. Green Bay

Metropolitan Sewage District approved disposal at their facility on the condition that the waste be diluted 10 to 1 prior to delivery at the facility.

Analytical Results

Analytical results for the samples are shown on Table 1. Sampling points are shown on the site map in Appendix 5.

Table 1
Analytical Results for Site
Heresite Protective Coatings, Inc. Manitowoc, Wisconsin

Date Sampled	Sample Number	Description	Detection Limit	Conc. Detect.
12-19-91	EK8742	Alcohol Std.	800 mg/l Ethnl	990,000 mg/l
12-19-91	EK8739	Tank Contents Ethnl & Water	1000mg/l Ethnl TRPH	180,000 mg/l 97.0 mg/l
12-19-91	EK8741	Field Blank	5.0 mg/l Ethnl	ND
12-19-91	OFW	Trip Blank	5.0 mg/l Ethnl	ND
01-07-92	EK8808	Soil-CTR	0.1mg/kg Ethnl	ND
01-07-92	EK8809	Soil-W	0.8mg/kg Ethnl	72 mg/kg
01-07-92	EK8810	Soil-E	0.5mg/kg Ethnl	12 mg/kg
01-07-92	EK8811	Tank Sludge	510mg/kg Ethnl	47,000 mg/kg
01-07-92	EK8811	Tank Sludge	Flash Point	> 210 F
01-16-92	EK8831	Alcohol/Water Diluted 10-1 (SN: EK8739)	200 mg/l Ethnl 5 ug/l Benzene 5 ug/l E. Benz 5 ug/l Toluene 15 ug/l Xylenes	17,000 mg/l ND ND ND ND
01-16-92	EK8832	Field Blank	5.0 mg/l Ethnl	ND

The results of the soil sample analysis, as shown on Table 1, indicate that there is denatured ethyl alcohol contamination in the soil at this tank site. Laboratory analysis report sheets are located in Appendix 6.

Disposal

Upon receipt of Disposal Approval at Green Bay Metropolitan Sewage District (GBMSD), all wastes generated during the tank cleaning process were transported under Straight Bills of Lading and disposed of at the GBMSD. Copies of the transportation documentation is located in Appendix 7.

Tank Closure Activities

Upon completion of tank cleaning and sampling operations, the tank was filled with sand as permitted by DILHR. Sand was blown into the tank via two inch discharge hoses from semi-trailers. The ends and sides of the tank were filled first and then the center of the tank was filled.

Conclusions

Denatured ethyl alcohol contamination was detected in the soil adjacent to the underground storage tank which was closed in place at this facility.

Recommendations

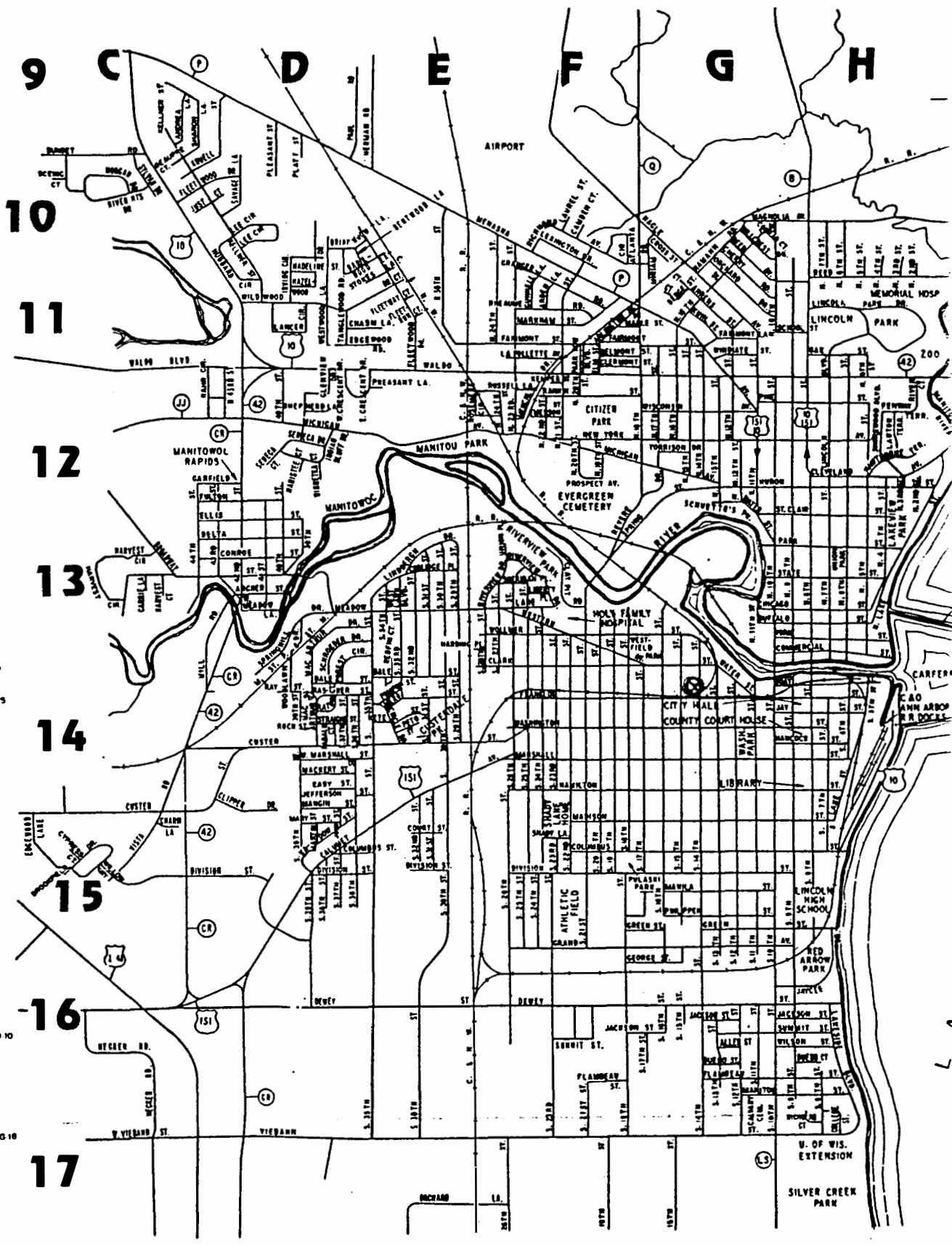
E & K Hazardous Waste Services, Inc. recommends that due to the fact that low levels of ethyl alcohol was detected in the soil and ethyl alcohol is easily degraded by microbial activity, no additional remedial activity is recommended at this site.

APPENDIX 1

City of Manitowoc and USDA Soils Maps

STREET INDEX

- CITY OF MANITOWOC
- AMHRSCT, G-11
 - AMHRSST, G-11
 - E ALBERT DR, J-9
 - ALLENST, G-18
 - ANDREWS LN, D-10
 - ARCHERST, D-13
 - ARDEN LN, F-11
 - ARLINGTON AVE, G-11
 - E ASH AVE, I-11
 - ATLANTA CIR, F-10
 - BARKWOOD LN, E-11
 - BEAUPRE CT, D-10
 - BELMONT ST, G-11
 - BENTWOOD LN, E-11
 - BERGE AVE, G-11
 - BERGCT, G-11
 - E BIRCH AVE, J-10
 - BIRCHWOOD ST, E-11
 - BROADWAY ST, D-13
 - BROOKFIELD LN, C-15
 - BUFFALO ST, H-13
 - CALLUMET AVE, E-14
 - CAMDENCT, F-10
 - E CEDAR AVE, J-10
 - CEDARWCT, J-9
 - CENTERST, G-13
 - E CHARLES LN, J-9
 - CHARMLN, C-15
 - CHASMLN, E-11
 - CHERRY RD, G-11
 - CHICAGO ST, H-13
 - CIRCLE DR, E-14
 - CLARK ST, F-14
 - CLAYPIT RD, F-13
 - CLERMONT ST, G-11
 - CLEVELAND AVE, H-12
 - E CLEVELAND AVE, F-12
 - CLIPPER DR, D-15
 - COLLEGE ST, H-17
 - COLUMBUS ST, E-15, F-15
 - COMMERCIAL ST, H-13
 - CONRAD CT, G-10
 - CONROE ST, D-13
 - COOLIDGE PL, E-13
 - COURT ST, E-15
 - E CRESCENTOR, E-12
 - W CRESCENT DR, E-12
 - CROSSST, G-11
 - CUSTER LN, C-14
 - CUSTER ST, D-14
 - W CUSTER ST, B-15
 - CYPRESS CT, C-15
 - DAVIS DR, F-10
 - DALE ST, E-14
 - DELTA ST, D-13
 - DEWEYST, G-16
 - DIVISION ST, E-15, F-15
 - DUENO CT, H-16
 - DUENO ST, G-16
 - EAST ST, D-14
 - EDGEWOOD RD, E-11
 - ELDER DR, A-10
 - ELLSST, D-12
 - ELM ST, F-11
 - EMERSON ST, F-12
 - EXPO ST, C-16
 - FARMHNT LN, G-11
 - FARMHNT ST, F-11
 - FERNHNT, I-12
 - FERN DR, J-10
 - FLAMBEAU ST, H-17
 - FLEETWAY CT, E-11
 - FLEETWOOD DR, E-11, D-10
 - FLEET RUN CT, E-11
 - FOREST CH, E-13
 - FRANKLIN ST, F-16
 - FRONTAGE ROAD, D-10
 - FULTON ST, D-12
 - GALAX DR, J-10
 - GARFIELD ST, D-12
 - GEORGE ST, G-16
 - GLANVIEW LN, D-12
 - GRAND AVE, D-15, F-16, G-16
 - GRANGER RD, F-11
 - GREEN ST, G-16
 - GRUNELL LN, F-11
 - HAMANN RD, G-10
 - HAMILTON ST, G-14
 - HANCOCK ST, H-14
 - HARBOUR PL, E-13
 - HARVEST CT, C-13
 - HAWTHORNE TER, H-12
 - HAZZELWOOD DR, D-11



MANITOWOC



U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
RESEARCH DIVISION OF THE COLLEGE OF AGRICULTURAL AND LIFE SCIENCES
UNIVERSITY OF WISCONSIN

GENERAL SOIL MAP CALUMET AND MANITOWOC COUNTIES, WISCONSIN

Scale 1:253,440
0 1 2 3 4 Miles

SOIL LEGEND

AREAS DOMINATED BY SOILS THAT FORMED IN GLACIAL TILL

- 1 Kewaunee-Manawa-Poygan: Nearly level to sloping, well drained to poorly drained soils that have a dominantly clayey subsoil and substratum
- 2 Hortonville-Symco: Nearly level to moderately steep, well drained and somewhat poorly drained soils that are loamy throughout
- 3 Hochheim-Larmatine-Mayville: Nearly level to moderately steep, well drained to somewhat poorly drained soils that are loamy throughout

AREAS DOMINATED BY SOILS THAT FORMED IN LACUSTRINE DEPOSITS

- 4 Zurich-Mundelein-Briggsville: Nearly level to sloping, well drained to somewhat poorly drained soils that have a loamy or clayey subsoil
- 5 Pella-Mundelein-Shiocton: Nearly level and gently sloping, somewhat poorly drained and poorly drained soils that are dominantly loamy throughout

AREAS DOMINATED BY SOILS THAT FORMED IN GLACIAL DRIFT

- 6 Kewaunee-Boyer-Nichols: Gently sloping to steep, well drained and moderately well drained soils that are sandy, loamy, or clayey
- 7 Hochheim-Lutzke: Gently sloping to steep, well drained loamy soils

AREAS DOMINATED BY SOILS THAT ARE UNDERLAIN BY OUTWASH DEPOSITS

- 8 Wasepi-Plainfield-Boyer: Nearly level to moderately steep, excessively drained to somewhat poorly drained, sandy and loamy soils
- 9 Granby-Oakville-Tedrow: Nearly level to sloping, well drained to poorly drained soils that are dominantly sandy throughout

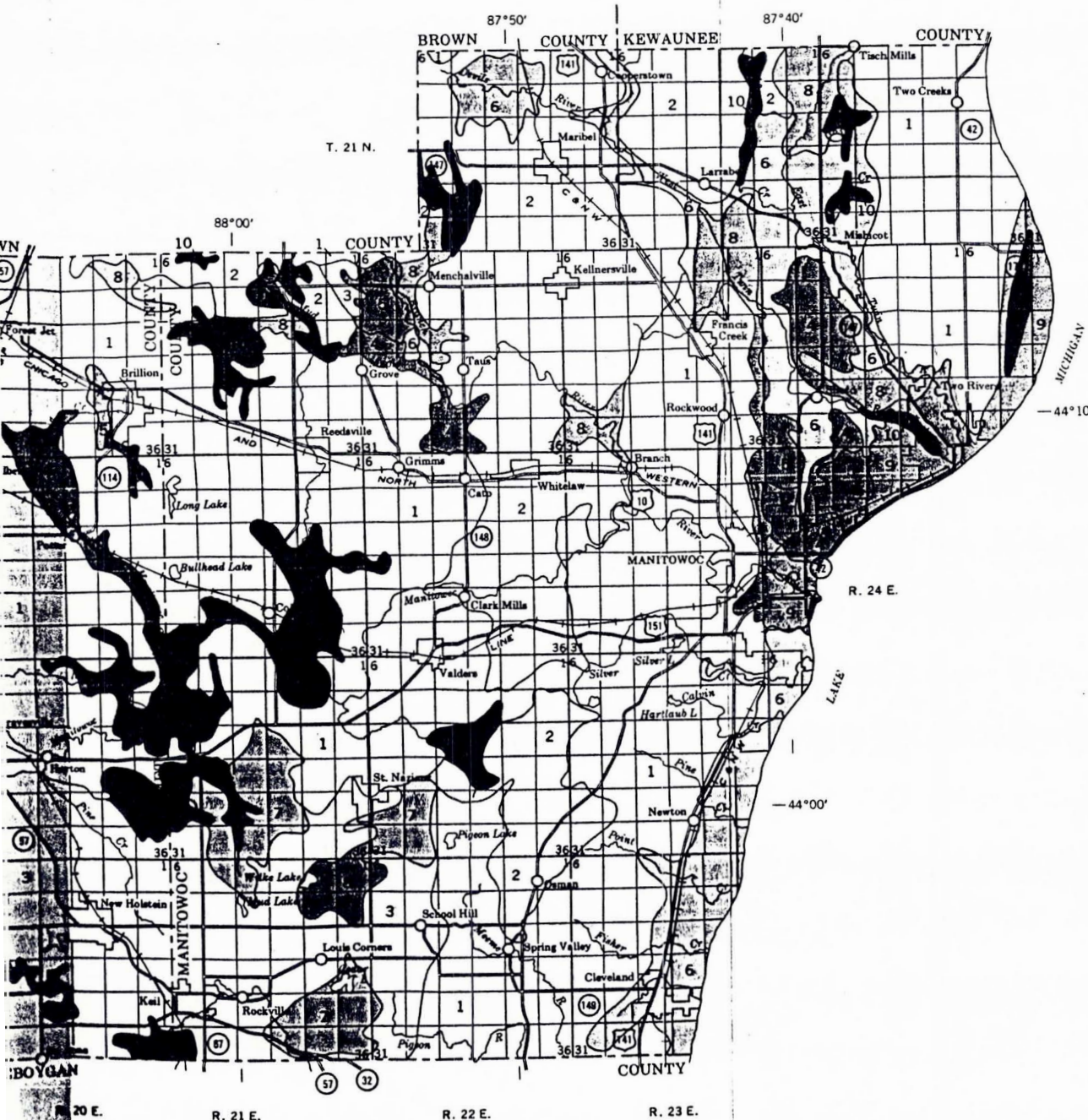
AREAS DOMINATED BY ORGANIC SOILS

- 10 Houghton-Palms-Willette: Nearly level, very poorly drained organic soils

AREAS DOMINATED BY SOILS THAT ARE UNDERLAIN BY DOLOMITE

- 11 Channahon-Whalan-Kolberg: Gently sloping and sloping, well drained loamy soils that have a dolomite substratum

Compiled 1978



SECTIONAL TOWNSHIP				
6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26

APPENDIX 2

Tank Closure Forms & D.I.L.H.R. Correspondence

UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORYSend Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280For Office Use Only:
Tank ID #

Information Required By Sec. 102.142, Wis. Stats.

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

This registration applies to a tank that is (check one):

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

Fire Department Providing Fire Coverage
Where Tank Located:

City of Manitowoc FD.

A. IDENTIFICATION: (Please Print)

1. Tank Site Name <u>Heresite Protective Coatings, Inc.</u>		Site Address <u>822 S. 14th Street</u>		Site Telephone No. <u>(414) 684-6646</u>	
<input checked="" type="checkbox"/> City <u>Manitowoc</u>	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	State <u>WI</u>	Zip Code <u>54220</u>	County <u>Manitowoc</u>
2. Owner Name (mail sent here unless indicated otherwise in #3 below) <u>Same</u>			Owner Mailing Address (mail sent here unless indicated otherwise in #3) <u>Same</u>		
<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	State	Zip Code	County
3. Alternate Mailing Name If Different Than #2			Alternate Mailing Street Address If Different From #2		
<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	State	Zip Code	County
4. Tank Age (date installed, if known: or years old) <u>Unknown</u>		5. Tank Capacity (gallons) <u>19,000</u>		6. Tank Manufacturer's Name (if known) <u>Unknown</u>	

B. TYPE OF USER (check one):

- | | | | |
|---------------------------------------------------|-----------------------------------------------------|-------------------------------------|-----------------------------------------|
| 1. <input type="checkbox"/> Gas Station | 2. <input type="checkbox"/> Bulk Storage | 3. <input type="checkbox"/> Utility | 4. <input type="checkbox"/> Mercantile |
| 5. <input checked="" type="checkbox"/> Industrial | 6. <input type="checkbox"/> Government | 7. <input type="checkbox"/> School | 8. <input type="checkbox"/> Residential |
| 9. <input type="checkbox"/> Agricultural | 10. <input type="checkbox"/> Other (specify): _____ | | |

C. TANK CONSTRUCTION:

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)
3. <input type="checkbox"/> Coated Steel	4. <input type="checkbox"/> Fiberglass
6. <input type="checkbox"/> Relined - Date _____	7. <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite
5. <input type="checkbox"/> Other (specify): _____	
9. <input type="checkbox"/> Unknown	
Approval: 1. <input type="checkbox"/> Nat'l Std. 2. <input type="checkbox"/> UL 3. <input type="checkbox"/> Other: _____	
Is Tank Double Walled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Overfill Protection Provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, identify type: _____	
Spill Containment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Tank leak detection method: 1. <input type="checkbox"/> Automatic tank gauging 2. <input type="checkbox"/> Vapor monitoring 3. <input type="checkbox"/> Groundwater monitoring 4. <input type="checkbox"/> Inventory control and tightness testing 5. <input type="checkbox"/> Interstitial monitoring 6. <input checked="" type="checkbox"/> Not required at present 7. <input type="checkbox"/> Manual Tank Gauging (only for tanks of 1,000 gallons or less)	

D. PIPING CONSTRUCTION

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	3. <input type="checkbox"/> Coated Steel
4. <input type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify): _____	9. <input type="checkbox"/> Unknown
Piping System Type: 1. <input type="checkbox"/> Pressurized piping with: A. <input type="checkbox"/> auto shutoff; B. <input type="checkbox"/> alarm; or C. <input type="checkbox"/> flow restrictor 2. <input type="checkbox"/> Suction piping with check valve at tank 3. <input type="checkbox"/> Suction piping with check valve at pump and inspectable		
Piping leak detection method: used if pressurized or check valve at tank: 1. <input type="checkbox"/> Vapor monitoring 2. <input type="checkbox"/> Interstitial monitoring 3. <input type="checkbox"/> Groundwater monitoring 4. <input type="checkbox"/> Tightness testing 5. <input type="checkbox"/> Line Leak Detector 6. <input type="checkbox"/> Not Required		
Approval: 1. <input type="checkbox"/> Nat'l Std. 2. <input type="checkbox"/> UL 3. <input type="checkbox"/> Other: _____		Double Walled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

E. TANK CONTENTS

- | | | | |
|-----------------------------------------------------------------------------|---------------------------------------|----------------------------------------|------------------------------------------------|
| 1. <input type="checkbox"/> Diesel | 2. <input type="checkbox"/> Leaded | 3. <input type="checkbox"/> Unleaded | 4. <input type="checkbox"/> Fuel Oil |
| 5. <input type="checkbox"/> Gasohol | 6. <input type="checkbox"/> Other | 7. <input type="checkbox"/> Empty | 8. <input type="checkbox"/> Sand/Gravel/Slurry |
| 9. <input type="checkbox"/> Unknown | 10. <input type="checkbox"/> Premix | 11. <input type="checkbox"/> Waste Oil | 12. <input type="checkbox"/> Propane |
| 13. <input checked="" type="checkbox"/> Chemical * <u>Denatured Ethanol</u> | 14. <input type="checkbox"/> Kerosene | 15. <input type="checkbox"/> Aviation | |

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

If Tank Closed, Give Date (mo/day/yr): <u>01-08-92</u>	Has a site assessment been completed? (see reverse side for details) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
-----------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------

If installation of a new tank is being reported, indicate who performed the installation inspection: 1. <input type="checkbox"/> Fire Department 2. <input type="checkbox"/> DILHR 3. <input type="checkbox"/> Other (identify) _____	
Name of Owner or Operator (please print): <u>Thomas L. Fritzke</u>	Indicate Whether: <input checked="" type="checkbox"/> Owner or <input type="checkbox"/> Operator
Signature of Owner or Operator: <u>Thomas L. Fritzke</u>	Date Signed: <u>5-13-92</u>

CHECKLIST FOR UNDERGROUND

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

**Complete one form for
each site closure.**

TANK CLOSURE

A. IDENTIFICATION: (Please Print)

1. Installation Name <u>HERESITE PROTECTIVE COATINGS</u>			2. Owner Name <u>HERESITE PROTECTIVE COATINGS</u>		
Installation Street Address <u>822 S 14TH ST</u>			Owner Street Address <u>822 S 14TH ST</u>		
<input checked="" type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input checked="" type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
<u>MANITOWOC</u>			<u>MANITOWOC</u>		
State <u>WI</u>	Zip Code	County	State <u>WI</u>	Zip Code	County
		<u>MANITOWOC</u>			<u>MANITOWOC</u>
3. Closure Company Name <u>E&K HAZARDOUS WASTE SERVICES</u>			Closure Company Street Address, City, State, Zip Code <u>2905 PAINE AVE SHERBOGAN WI 53081</u>		
Company Telephone No. (include area code) <u>(914) 458-6030</u>			Certified Remover Name <u>DANNE GILBERTSON</u>		Remover Certification No. <u>1</u>
4. Name of Company Performing Closure Assessment <u>E&K HAZARDOUS WASTE SERVICES</u>			Assessment Company Street Address, City, State, Zip Code <u>2905 PAINE AVE SHERBOGAN WI</u>		
Company Telephone No. (include area code) <u>(914) 458-6030</u>			Certified Assessor Name <u>DANNE GILBERTSON</u>		Assessor Certification No.

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		13	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> 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) ALCOHOL); 14-Kerosene; 15-Aviation.

Notification was provided to the local authorities 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.

B. TEMPORARILY OUT OF SERVICE

	Remover Verified	Inspector Verified	NA
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
b. All product removed to bottom of suction line, OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
c. All product removed to within 1" of bottom.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
4. Dispensers/pumps left in place but locked and power disconnected.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
5. Vent lines left open.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
6. Written inspector approval of temporary closure obtained, which is effective until _____ (Date)	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
7. Inventory form filed by owner indicating temporary closure.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>

C. CLOSURE BY REMOVAL

1. Product from piping drained into tank (or other container).	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Piping disconnected from tank and capped or removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCATOR.			
7. Vent lines left connected until tanks purged.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
8. Tank openings temporarily plugged so vapors exit through vent.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
9. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
10. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>

C. CLOSURE BY REMOVAL (continued)

	Remover Verified	Inspector Verified	NA
12. Tank labeled in 2" high letters after removal but before being moved from site.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
13. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
14. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
15. Site security is provided while the excavation is open.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS.

1. Product from piping drained into tank (or other container).	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Piping disconnected from tank and capped or removed.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.			
6. Vent lines left connected until tanks purged.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Tank openings temporarily plugged so vapors exit through vent.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
9. Openings cut in tank top if necessary to introduce inert material.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
11. Vent line disconnected or removed.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Do points of obvious contamination exist?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
3. Are there strong odors in the soils?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
4. Was a field screening instrument used to pre-screen soil sample locations?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
5. Was a closure assessment omitted because of obvious contamination?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
6. Was the DNR notified of suspected or obvious contamination?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
Agency and office contacted: _____			
7. Contamination suspected because of: <input type="checkbox"/> Odor <input type="checkbox"/> Soil Staining <input type="checkbox"/> Free Product <input type="checkbox"/> Sheen On Groundwater <input type="checkbox"/> Field Instrument Test			

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☒ Educator Or Diffused Air Blower

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice

Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT**

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.

Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

Tank atmosphere monitored for flammable or combustible vapor levels.

☒ Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

I. INSPECTOR INFORMATION

Inspector Name (print) _____

Inspector Signature _____

Inspector Certification No. _____

FDID # For Location Where Inspection Performed _____

Inspector Telephone Number _____

Date Signed _____

HERESITE

PROTECTIVE COATINGS INCORPORATED

ESTABLISHED 1935

"Where Quality Is A Tradition"

December 1,

Mr. Sheldon H. Schall
DILHR
PO Box 7969
Madison WI 53707

Re: Underground Storage Tank Closure Request
to Close in Place

Dear Chief Schall:

This letter is to notify you of our impending closure of two underground storage tanks at Heresite Protective Coatings, 822 South 14th Street, Manitowoc, Wisconsin. The tanks are 18,000 gallons in size and contain Denatured Ethyl Alcohol. Due to the undue hardship that removal of the tanks would create, we request authorization to close the tanks in place in accord with ILHR 10.732(2)(b).

We have retained the services of E & K Hazardous Waste Service, Inc., a licensed and insured tank removal contractor whose offices are located at 2905 Pain Avenue, Sheboygan, Wisconsin, to perform the necessary services.

E & K's certified personnel will perform the required site assessment and cleaning prior to closure of the tanks.

We will be substituting 320 gallon Stainless Steel Liqua-tainers (tote tanks) for storage of our Denatured Ethyl Alcohol. These tote tanks are D.O.T. 57 approved for the transportation of flammable materials. Our supplier has over 200 of these units currently in service. By scheduling weekly deliveries, we expect to have a maximum of three or four totes on hand at any one time. These totes will be stored in our warehouse that was previously declared as our flammable liquids storage area.

If you have any questions regarding the activities, please contact Dean Kelley, Project Manager at E & K at 414-458-6030 or me at 414-684-6646.

Regards,

HERESITE PROTECTIVE COATINGS, INC.

Thomas L. Fritzke
Thomas L. Fritzke
President

TLF/slm

822 SOUTH 14th ST., MANITOWOC, WISCONSIN 54220
(414) 684-6646 TWX: 910-260-2406 FAX: (414) 684-0110

Post-it brand fax transmittal memo 7871

To	Dean Kelley	From	Ed Blake	# of pages	1
Copy	E & K	Co	Heresite		
Dept.		Phone	414 684 6646		
Fax	414-458-7254	Fax	414 684 0110		

State of Wisconsin \ Department of Industry, Labor and Human Relations

201 E. Washington Avenue
Madison, WI. 53702

FAX COVER SHEET

Press pen firmly when completing.

Date Sent: Jan 3, 1992Pages Sent (excluding this cover): ✓TO: Dean KellyFrom: SHELDON SCHALLE & K Haz. WasteFire Protection SectionSheboygan, WIFax #: 608 267-0592Fax #: 414-452-7254Voice #: 608 266-0956

Special Instructions (optional):

Request to close 19000 gal ETOH tank in place @
Heresite Protective Coating, 832 S. 14th St, Manitowish
is granted. Site assessment & Reporting is required.

If there were any problems with the transmission or not all pages were received, please contact sender immediately at above voice telephone number.

ADM-8170 (N.04/89)



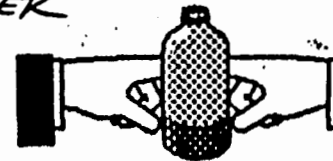
STATE OF WISCONSIN
Department of Industry, Labor & Human Relations
Fire Protection & Underground Storage Section
Safety and Buildings Division
(608) 266-0956

APPENDIX 3

Chain of Custody

CHAIN OF CUSTODY RECORD

TO ORTEK



Client: Herzite Protective Coatings Analytical Requested
Project No: 13,863
Sampling Site: 822 S14 ST Manitowish
Sampler: Royal A- / Chris E

Date	Time	Sample I.D.	Description								Batch Total & Time	Sample Source	Sample Procedure	Composite of Grab	Preservation Method
1/7/91	3:20 PM	8808	SOIL SAMPLE (CTR)								1-403 CL	TANK FILL	TRIER	GRAB	PLACED ON ICE @ 4:15
1/7/91	3:23 PM	8809	SOIL SAMPLE (U)								1-402 CL	TANK FILL	TRIER	GRAB	" "
1/7/91	3:25 PM	8810	SOIL SAMPLE (S)								1-402 CL	TANK FILL	TRIER	GRAB	" "
1/7/91	3:30 PM	8811	BROWN LIQUID + SLUDGE								1-401 A	2-DM	COLI	GRAB	" "

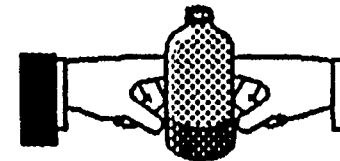
Custody Transfers

Emergency Contact #1-800-688-4005

Relinquished by: Diane Helbert Date: 1-8-92 Time: 8:25 AM Received by: Kenice Harty
1. _____
2. _____
3. _____
4. _____

Additional Comments:

CHAIN OF CUSTODY RECORD



Client: HERESITE PROTECTIVE CONTAINERS Analytical Requested
 Project No: 13,883
 Sampling Site: 822 S 14 ST MAINTOWN, WI
 Sampler: DUANE S

Date	Time	Sample I.D.	Description	Analytical Requested					Bottle Total & Type	Sample Source	Sample Procedure	Composite of Grab	Preservation Method
1/8/92	2:00	88111	CLEAR LIQUID						2	AQT TANKER	CO-1	GRAB	on ice @ 3:15

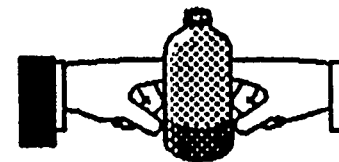
Emergency Contact #1-800-688-4005

Custody Transfers

Relinquished by: [Signature] Date: 1-8-92 Time: 3:40pm Received by: [Signature]
 1. _____
 2. _____
 3. _____
 4. _____

Additional Comments:

CHAIN OF CUSTODY RECORD



Client: HERESITE PROT. COATINGS Analytical Requested
 Project No: 13863
 Sampling Site: E & K
 Sampler: D. KELLY, P. DITTER

Date	Time	Sample I.D.	Description	Analytical Requested						Sample Source	Sample Procedure	Composite of Grab	Preservation Method
1/16/92	3:30 PM	8831 (12, 16) 1c.	DILUTED GROUNDWATER & ALCOHOL MIXTURE	X	X					3	10 to 1 dilution of coliwasa Sample	Comp	.75 ml per 40ml vial HCL (pH 2)
1/16/92	3:35	8832 (2)	FIELD BLANK	X	X					1	Field Blank	Comp	SAME

Custody Transfers

Emergency Contact #1-800-688-4005

Relinquished by: Dean Kelly Date: 1-16-92 Time: 3:50pm Received by: Kevin Hinz
 1. _____
 2. _____
 3. _____
 4. _____

Additional Comments:

Per Standard attached for Ethanol

APPENDIX 4

Color Photographs of Site

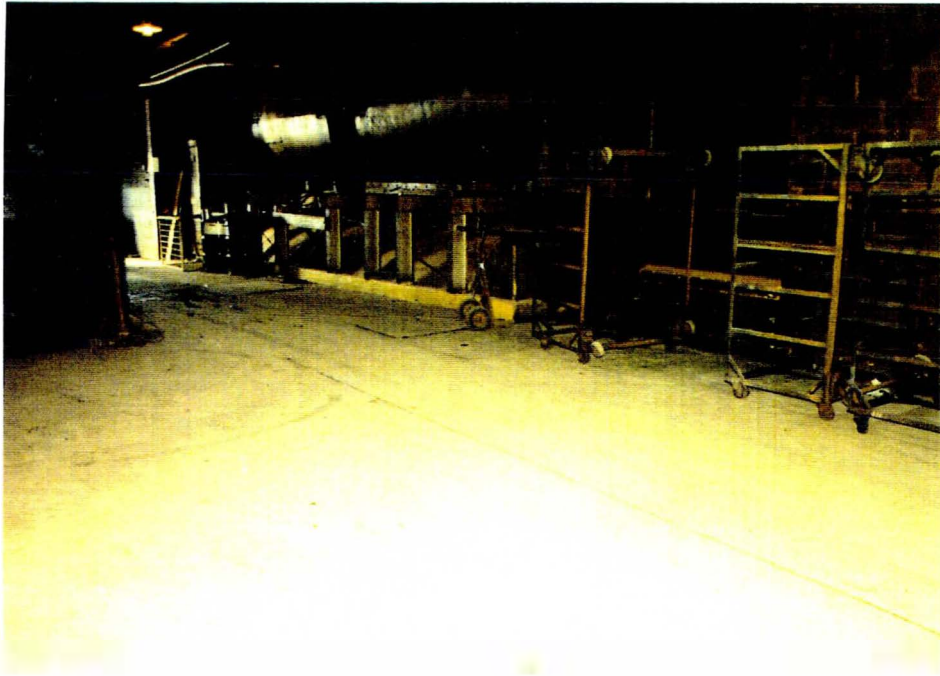


Photo Number 1

Date 01-06-92

Description: Denatured Ethanol UST Tank located under concrete floor between processing oven and aboveground paraformaldehyde storage tanks. Photo taken facing west.



Photo Number 2

Date 01-06-92

Description: Facing east over the UST tank bed.

E&K Hazardous Waste Services, Inc. Project No. 13863
Dean M. Kelley Project Manager
Customer: Herculite Protective Coatings, Inc.



Photo Number 3

Date 01-06-92

Description: Exposure of Top of Tank showing entry manhole through which tank cleaning and filling with sand occurred.

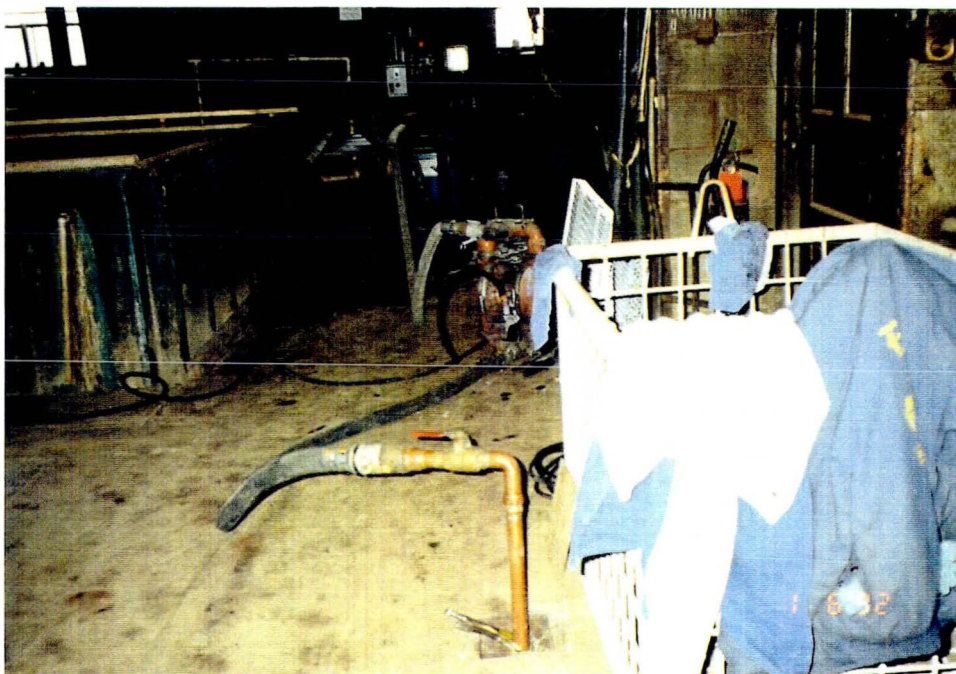


Photo Number 4

Date 01-06-92

Description: Pumping contents of the tank prior to entry, cleaning and closure in-place.

E&K Hazardous Waste Services, Inc. Project No. 13863
Dean M. Kelley Project Manager
Customer: Dico, Inc.

APPENDIX 5

Site Map

HERESITE PROTECTIVE COATINGS

822 S. 14th ST.

MANTOWOC, WI 54220

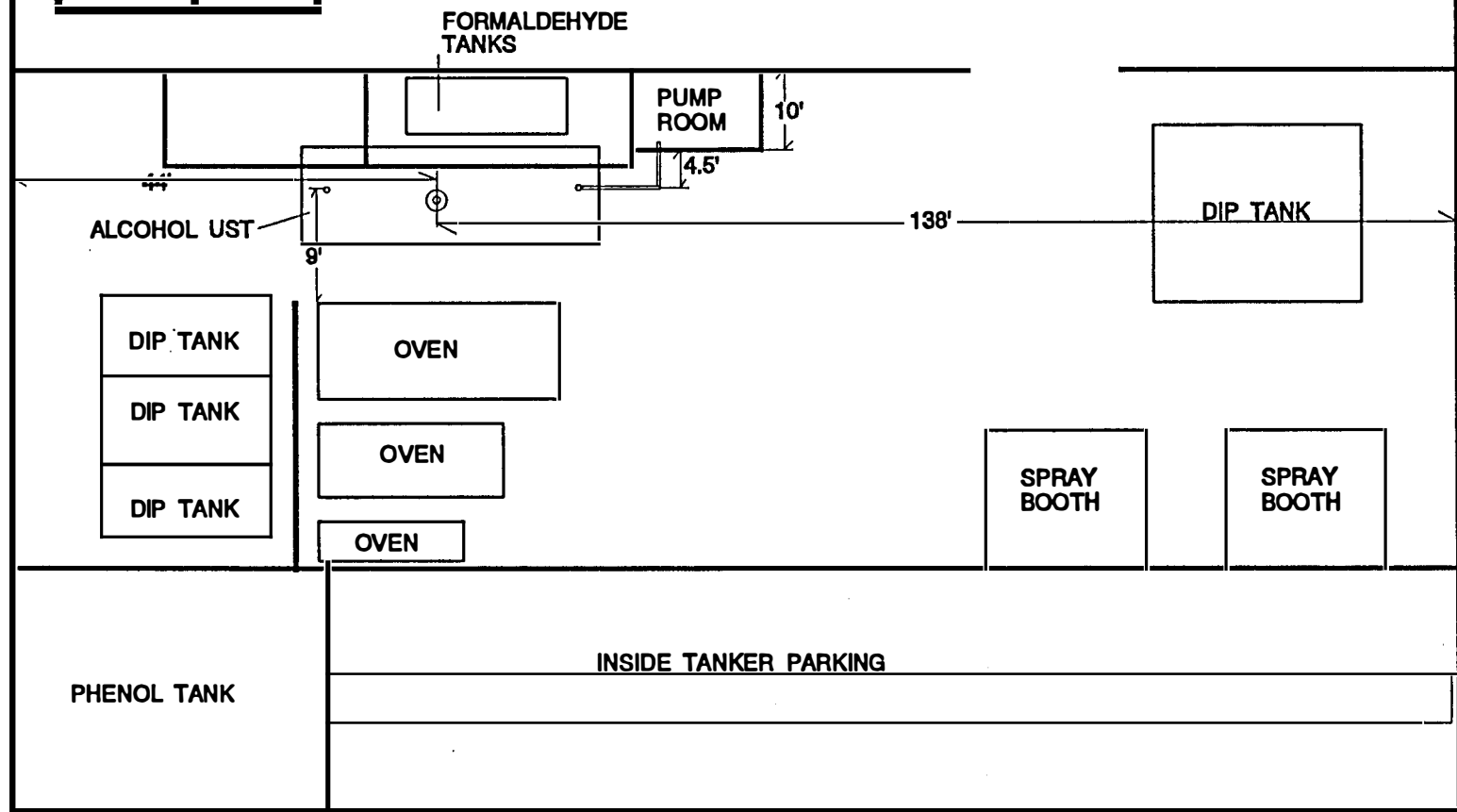
01-08-82

NORTH

SCALE
1" = 22'

E & K Hazardous Waste Services, Inc.

SHIPPING AND RECEIVING



Appendix 6

Laboratory Analytical



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: EK8742
Sample Desc: ALCOHOL STD
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	800	990,000

ND = Not Detected

Comments: Lab Sample ID: 9112206 - 121370
Date Analyzed: 01/03/92
Analyzed by GC-FID Headspace Technique.
Concentration greater than theoretical but since it was for
confirmation only it was not retested at a greater dilution.

Signed: D. [Signature]

Date: 1-7-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

13863/DK
1-10-92

- SAMPLE ANALYSIS REPORT -

To: E & K HAZARDOUS
2905 PAINE AVE
P O BOX 1249
SHEBOYGAN WI 53082-1249

Attn: JANICE HINTZ

Batch ID : 9112200
Our lab # : 121348
Your sample ID: EK-8739
Sample Matrix : WATER

Report Date: 01/07/92

COLLECTION INFORMATION

Date/Time/By: 12/19/91 DG/CT
Location : 13863-HERESITE

Lab#	Test	Result Units
121348	Total Recoverable Petroleum Hydrocarbons	97.0 MG/L

Signed

Date

1-7-92

Signed

Date



ENVIRONMENTAL LABORATORY

414-498-2222

FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: EK8739
Sample Desc: GROUNDWATER
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	1000	180,000

ND = Not Detected

Comments: Lab Sample ID: 9112200 - 121348
Date Analyzed: 01/03/92 & 01/06/92
Analyzed by GC-FID Headspace Technique.

Signed:

Date:

1-7-92



ENVIRONMENTAL LABORATORY

414-498-2222

FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: EK8741
Sample Desc: FIELD BLANK
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	5.0	ND

ND = Not Detected

Comments: Lab Sample ID: 9112200 - 121349
Date Analyzed: 01/03/92
Analyzed by GC-FID Headspace Technique.

Signed: D. [Signature]

Date: 1-7-92



ENVIRONMENTAL LABORATORY

414-498-2222

FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: TRIP BLANK
Sample Desc: OFW
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	5.0	ND

ND = Not Detected

Comments: Lab Sample ID: 9112200 - 121350
Date Analyzed: 01/03/92
Analyzed by GC-FID Headspace Technique.

Signed: Date: 1-7-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

13863/DK
1-28-92

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8808
Sample Desc: SOIL - CTR
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	0.1	ND

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121730
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed:

D. [Signature]

Date:

1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

13863/OK
1-28-92

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8809
Sample Desc: SOIL - W
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	0.8	72

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121731
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed:

Date:

1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

13863/DK
1-28-92

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8810
Sample Desc: SOIL - E
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	.5	12

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121732
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed:

Date:

1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222
FAX: 414-498-4067

13863/DK
128-92

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8811
Sample Desc: BROWN LIQUID
& SLUDGE
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	510	47,000

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121733
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: _____

Date: _____

1-22-92



ENVIRONMENTAL LABORATORY

414-498-2222

FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

Sample ID: EK8811
Sample Desc: BROWN LIQUID &
SLUDGE

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863

VOLATILE ORGANIC WATER ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION ug/l
Benzene	10	ND
Ethylbenzene	10	210 <i>PA</i>
Toluene	10	1400 <i>ES</i>
Total Xylenes	30	960 <i>ES</i>

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121733
Date Analyzed: 01/14/92 & 01/15/92
Analyzed by GC Method 8020.

Signed: Date: 1-27-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12433

Green Bay, WI 54302-2433

TEL: 111 120 2322

FAX: 111 120 1067

- SAMPLE ANALYSIS REPORT -

TO: E & K HAZARDOUS
2905 PAINE AVENUE
PO BOX 1249
SHEBOYGAN WI 53082-1249

ATTN: JANICE HINTZ

Batch ID: 9201044
Our Lab #: 121733
Your Sample ID: SAMPLE-8811
Sample Matrix: BROWN LIQUID AND SLUDGE

Report Date: 01/30/92

COLLECTION INFORMATION

Date/Time/By: 01/07/92 15:30 BS/CE
Location: HERESITE 13863

Lab#	Test	Result	Units
121733	Flash Point	>	210 ° F

Signed: 

Date: 2-14-92

Signed: _____

Date: _____

Revision, 02/14/92, vrg



ENVIRONMENTAL LABORATORY

414-498-2222
FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

Sample ID: 8832 (2)
FIELD BLANK

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample Desc: GW
Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	5.0	ND

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122086
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: _____

Date: _____

1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

13863/DK
1-28-92

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVE
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: 8832
Sample Desc: FIELD BLANK
Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863/HERESITE PRO.COAT

VOLATILE ORGANIC WATER ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION ug/l
Benzene	1.0	ND
Ethylbenzene	1.0	3.3
Toluene	1.0	4.7
Total Xylenes	3.0	11

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122086
Date Analyzed: 01/20/92
Analyzed by GC Method 8020.

Signed: Date: 1-27-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVE
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: 8831
Sample Desc: DILUTED WATER &
ALCOHOL MIXTURE
Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863/HERESITE PRO.COAT

VOLATILE ORGANIC WATER ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION ug/l
Benzene	5.0	ND
Ethylbenzene	5.0	ND
Toluene	5.0	ND
Total Xylenes	15	ND

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122085
Date Analyzed: 01/20/92 & 01/21/95
Analyzed by GC Method 8020.
Contains High Levels of Non-Target Compounds

Signed: Date: 1-27-92



ENVIRONMENTAL LABORATORY

414-498-2222

FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: 8831 (1A, 1B, 1C)
Sample Desc: DILUTED GW &
ALCOHOL MIXTURE
Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	200	17,000

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122085
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: Date: 1-22-92

Appendix 7
Transportation Documentation

Shipper No. _____

Carrier No. _____

Date _____

(Name of Carrier)

FROM:

Shipper HERSITE PROTECTIVE COATINGS, INC

Street 822 S 14TH ST

Origin MANITOWOC, WI Zip Code 54220

Route:

Vehicle No.

**No.
Shipping
Units**

Kind of Packaging, Description of Articles
Special Marks and Exceptions

Weight
(Subject to
Correction)

RATE

CHARGES

NON-REGULATED WASTEWATER & ALCOHOL
GALLONS

Project # 13863

REMIT
C.O.D. TO:
ADDRESS

COD Amt: \$

C.O.D. FEE:

PREPAID ☐ \$
COLLECT ☐

TOTAL CHARGES: \$

Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor.)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid

☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted otherwise, and condition of content of packages unknown, marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER

PER

DATE

TOPS  FORM No. 3841

LITHO. in U.S.A.

2. Dr. J. H. H. H.

Shipper No. _____

Carrier No. _____

Date 2/28/92

(Name of Carrier)

TO:	FROM:
Consignee GREENBAY METRO SEWAGE DISTRICT	Shipper HERESITE PROTECTIVE COATINGS, INC.
Street 2231 N. QUINCY	Street 822 S 14TH ST
Destination GREEN BAY, WI Zip Code 54307	Origin MANITOWOC, WI Zip Code 54220

Route:

Vehicle No.

[illegible]

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL CHARGES: \$
--------------------------------	-------------	----------------------------------------------------------------------------------------	----------------------

Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____

\$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges. *

Undy Gonnorske
(Signature of Consignor.)

TOTAL CHARGES: \$

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	CARRIER	1000
PER	PER	DATE 2/28/92

, TOPS  FORM No. 3841

LITHO. in U.S.A.

2

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipper No. _____

Shipping Order Copy

Carrier No. _____

E & K GENERAL HAULING, INC.
(Name of Carrier)Date 3-12-92

TO: <u>GREEN BAY METROPOLITAN</u>		FROM: _____	
Consignee <u>SEWAGE DISTRICT</u>		Shipper <u>HERESITE PROTECTIVE COATINGS, INC</u>	
Street <u>2231 N QUINCY</u>		Street <u>822 S 14TH ST</u>	
Destination <u>GREEN BAY, WI</u> Zip Code <u>54307</u>		Origin <u>MILWAUKEE, WI</u> Zip Code <u>53226</u>	
Route: _____		Vehicle No. _____	

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
<u>350</u>	<u>NON-REGULATED WASTEWATER & ALCOHOL</u>			
	<u>GALLONS</u>			
	<u>PROJECT # 13863</u>			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL CHARGES: \$
<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$_____ per _____</p>		<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>(Signature of Consignor.)</p>	
<p>RECEIVED. Subject to the classifications and lawfully had tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.</p> <p>Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.</p>			

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid
 ☐ Collect

SHIPPER PER <u>Don Juerga</u>	CARRIER PER <u>Don Juerga</u>	DATE <u>3-12-92</u>
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ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

Shipper No. _____

Carrier No. _____

Date 3-18-92E & K GENERAL HAULING, INC

(Name of Carrier)

TO: Consignee GREENBAY METROPOLITAN SEWAGE DISTRICT
 Street 2231 N QUINCY
 Destination GREENBAY, WI Zip Code 54307

FROM: Shipper HERESITE PROTECTIVE COATINGS, INC
 Street 822 S 14TH ST
 Origin MANITOWOC, WI Zip Code 54220

Route: _____ Vehicle No. _____

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
<u>75</u>	<u>NON-REGULATED WASTE WATER & ALCOHOL</u>			
	<u>GALLONS HAZ PRODUCT # 13863</u>			

REMIT
C.O.D. TO:
ADDRESS

COO

Amt: \$

C.O.D. FEE:

PREPAID ☐COLLECT ☐ \$TOTAL \$
CHARGES:

Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor.)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interest in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER

PER

DATE

TOPS FORM No 3841

LITHO. in U.S.A.

2

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

E & K GENERAL HAULING, INC
(Name of Carrier)

Shipper No. _____

Carrier No. _____

Date 3-26-92

TO: GREEN BAY METROPOLITAN Consignee <u>SEWAGE DISTRICT</u>		FROM: <u>HERSITZ PROTECTIVE COATINGS, INC.</u> Shipper	
Street <u>2231 N. QUINCY</u>		Street <u>822 S 14TH ST</u>	
Destination <u>GREEN BAY WI</u> Zip Code <u>54307</u>		Origin <u>MANITOWOC, WI</u> Zip Code <u>54220</u>	
Route: _____		Vehicle No. _____	

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
<u>350</u>	<u>NON-REGULATED WASTEWATER & ALCOHOL</u> <u>GALLONS</u>			
	<u>PROJECT # 13863</u>			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____</p>		<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>(Signature of Consignor.)</p>	
		<p>FREIGHT CHARGES</p> <p>Check Appropriate Box:</p> <p><input type="checkbox"/> Freight prepaid <input type="checkbox"/> Collect</p>	

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER <u>Don Jung</u> <u>E & K</u>	CARRIER <u>Don Jung</u>	DATE <u>3/26/92</u>
PER <u>80 miles</u>	PER <u>Don Jung</u>	

TOPS FORM No. 3841

LITHO. in USA

2

Shipping Order Copy

Carrier No. 11

Date 4/7/92

E & K GENERAL HAULING, INC.
(Name of Carrier)

[illegible]

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding</p> <p>\$ _____ per _____</p>	<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>(Signature of Consignor.)</p>	<p>FREIGHT CHARGES</p> <p>Check Appropriate Box:</p> <p><input type="checkbox"/> Freight prepaid <input type="checkbox"/> Collect</p>	

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER		CARRIER	
PER		PER	DATE

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

HAZ
E & K GENERAL HAULING, INC.
(Name of Carrier)

Shipper No. _____
Carrier No. _____
Date _____

TO: GREEN BAY METROPOLITAN		FROM: _____	
Consignee SEWAGE DISTRICT		Shipper HERESITE PROTECTIVE COATING, INC.	
Street 2231 N. QUINCY		Street 822 S. 14TH ST	
Destination GREEN BAY, WI Zip Code 54307		Origin MANITOWOC WI Zip Code 54220	
Route: _____		Vehicle No. _____	

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
300	NON-REGULATED WASTE WATER & ALCOHOL			
	GALLONS			
	PROJECT # 13863			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
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Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor.)

FREIGHT CHARGES
Check Appropriate Box:
☐ Freight prepaid ☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER PER	CARRIER PER	DATE 4-07-92
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ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

Shipper No. _____

Carrier No. _____

Date _____

E & K GENERAL HAULING, INC.
(Name of Carrier)

TO: GREENBAY METROPOLITAN		FROM: _____	
Consignee SEWAGE DISTRICT		Shipper HERESITE PROTECTIVE COATINGS, INC	
Street 2231 N. QUINCY		Street 822 S 14TH ST	
Destination GREENBAY WI Zip Code 54307		Origin MANITOWOC, WI Zip Code 54220	
Route: _____		Vehicle No. _____	

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
165	NON - REGULATED WASTE WATER & ALCOHOL			
	GALLONS			
	PROJECT # 13863			
	Rick Kuchenz			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____</p>		<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>(Signature of Consignor.)</p>	
		<p>FREIGHT CHARGES</p> <p>Check Appropriate Box:</p> <p><input type="checkbox"/> Freight prepaid <input type="checkbox"/> Collect</p>	

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at anytime interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	CARRIER E & K Hauling
PER	PER Jim Morales DATE 4-23-92

TOPS FORM No. 3841

LITHO. in U.S.A.

2

STRAIGHT BILL OF LADING-SHORT FORM-Original-Not Negotiable

RECEIVED, subject to the classifications & tariffs in effect on the date of issue of this Original Bill of Lading.

BADGER MINING CORPORATION, SHIPPER

P. O. Box 97, Fairwater, Wisconsin 53931

"An Innovative Company Providing Dependable Service and Quality"



Shipper's 54984

Log # _____

LOCATION: Fairwater DATE Jan 8 19 92

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee for purposes of notification only)

Consigned to E & K to Heresite Protective Coating

Destination Manitowoc State of WI.

Route _____ Tractor No. 892

Delivering Carrier BMC Trailer No. B28

No. Packages	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	SHIPPER'S WEIGHT	
	T-L Grade TANK FILL	GROSS	79500
	Bags	TARE	27300
	Car #	NET	52200
Special Instructions:			
In:			26.1 Ton
Out:			
Sample/Analysis Required <input type="checkbox"/>	THE LOADED WEIGHT OF THIS VEHICLE DOES NOT EXCEED THE LICENSED LIMIT.		Received \$ _____ to apply in prepayment of the charges on the property described hereon.
	Weighmaster's Signature <u>[Signature]</u>		Agent or Cashier
Tank # <u>4</u>	Driver's Signature <u>[Signature]</u>		Per <u>[Signature]</u>

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of Rule 41 of the Consolidated Freight Classification. "Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission."

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Charges Advanced: \$ _____

BADGER MINING CORP., SHIPPER
P. O. Box 97, Fairwater, WI 53931

Per _____

4

Receiver's Signature [Signature]

WARNING INDUSTRIAL SILICA SAND
CONTAINS FREE SILICA. AVOID BREATHING DUST FROM THIS PRODUCT. PROLONGED EXPOSURE MAY CAUSE DELAYED LUNG INJURY (SILICOSIS). EXCESSIVE INHALATION OF DUST MAY RESULT IN RESPIRATORY DISEASE, INCLUDING SILICOSIS, BRONCHITIS, AND PULMONARY FIBROSIS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 42, MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS, SILICA AND SOME SILICATES (1987) THAT THERE IS "SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS AND LIMITED EVIDENCE WITH RESPECT TO HUMANS."

INSPECTION REPORT

The undersigned, employed by BMC, and operating vehicle/rig number _____, does hereby certify that he has thoroughly and completely inspected and/or cleaned as required the payload area including all hoses, product lines, tanks and related equipment and certifies that the same are free of contaminants; the undersigned does hereby except full responsibility and liability for any product contamination which may hereafter occur with respect to the Badger Mining Corporation product being loaded into such vehicle upon execution hereof.

Dated this _____ day of _____, 19 _____

Signature of Driver

Printed Name of Driver Ron Darr

STRAIGHT BILL OF LADING-SHORT FORM-Original-Not Negotiable

RECEIVED, subject to the classifications & tariffs in effect on the date of issue of this Original Bill of Lading.

BADGER MINING CORPORATION, SHIPPER

P. O. Box 97, Fairwater, Wisconsin 53931

"An Innovative Company Providing Dependable Service and Quality"



Shipper's **54983**

Log # _____

LOCATION: Fairwater DATE Jan 8 1992

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee for purposes of notification only)

Consigned to E & K To Haresite Protective Coating

Destination Manitowoc State of Wisconsin

Route _____ Tractor No. 888

Delivering Carrier BMC Trailer No. B-20

No. Packages	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	SHIPPER'S WEIGHT	
	T-L Grade TANK FILL	GROSS	79800
	Bags F-6.514	TARE	26500
	Car #	NET	53,300
Special Instructions:			
	In:		
	Out:		
	Sample/Analysis Required <input type="checkbox"/>	THE LOADED WEIGHT OF THIS VEHICLE DOES NOT EXCEED THE LICENSED LIMIT.	
	Weighmaster's Signature <u>Jerry</u>		
	Tank # <u>10</u>	Driver's Signature <u>John M.</u>	

*The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of Rule 41 of the Consolidated Freight Classification. *Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." Still, where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall state the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

BADGER MINING CORP.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ _____ in apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ The signature here acknowledges only the amount prepaid.

Charges Advanced:

BADGER MINING CORP., SHIPPER
P. O. Box 97, Fairwater, WI 53931

Per _____

4

Receiver's Signature

WARNING INDUSTRIAL SILICA SAND
CONTAINS FREE SILICA. AVOID BREATHING DUST FROM THIS PRODUCT. PROLONGED EXPOSURE MAY CAUSE DELAYED LUNG INJURY (SILICOSIS). EXCESSIVE INHALATION OF DUST MAY RESULT IN RESPIRATORY DISEASE, INCLUDING SILICOSIS, PNEUMOCONIOSIS AND PULMONARY FIBROSIS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 25 MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS. SILICA AND SOME SILICATES (1987) THAT THERE IS "SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS" AND "LIMITED EVIDENCE" WITH RESPECT TO HUMANS.

INSPECTION REPORT

The undersigned, employed by BMC, and operating vehicle/rig number 888-B-20, does hereby certify that he has thoroughly and completely inspected and/or cleaned as required the payload area including all hoses, product lines, tanks and related equipment and certifies that the same are free of contaminants; the undersigned does hereby except full responsibility and liability for any product contamination which may hereafter occur with respect to the Badger Mining Corporation product being loaded into such vehicle upon execution hereof.

Dated this 8 day of January, 1992.

John L. M.
Signature of Driver

Printed Name of Driver

STRAIGHT BILL OF LADING-SHORT FORM-Original-Not Negotiable

-RECEIVED, subject to the classifications & tariffs in effect on the date of issue of this Original Bill of Lading.

BADGER MINING CORPORATION, SHIPPER

P. O. Box 97, Fairwater, Wisconsin 53931

"An Innovative Company Providing
Dependable Service and Quality"

Shipper's

54982

Log

LOCATION: Fairwater DATE 1/7 19 92

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to E & K to Here site Protective Coating
 Destination Manitowoc State of WI
 Route _____ Tractor No. _____
 Delivering Carrier AMC Trailer No. _____

No. Packages	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	SHIPPER'S WEIGHT	Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall state the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	T-L Grade <u>TANK FILL</u> GROSS	<u>80000</u>	BADGER MINING CORP. (Signature of Consignor) If charges are to be prepaid, write or stamp here. "To Be Prepaid"
	Bags TARE	<u>27300</u>	
	Car # NET	<u>52700</u>	
	Special Instructions:		<u>26.35</u>
	In:		
	Out:		
	Sample/Analysis Required <input type="checkbox"/>	THE LOADED WEIGHT OF THIS VEHICLE DOES NOT EXCEED THE LICENSED LIMIT.	
	Weighmaster's Signature <u>[Signature]</u>		Received \$ _____ to apply in prepayment of the charges on the property described hereon.
	Tank # <u>9</u>	Driver's Signature <u>[Signature]</u>	Agent or Cashier
<small>*The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of Rule 41 of the Consolidated Freight Classification. *Shipper's Imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.</small>			Per The signature here acknowledged only the amount prepaid.
<small>*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</small>			Charges Advanced: \$ _____

BADGER MINING CORP., SHIPPER
P. O. Box 97, Fairwater, WI 53931

Per _____

4

Receiver's Signature

[Signature]

WARNING INDUSTRIAL SILICA SAND
CONTAINS FREE SILICA. AVOID BREATHING DUST FROM THIS PRODUCT. PROLONGED EXPOSURE MAY CAUSE DELAYED LUNG INJURY (SILICOSIS). EXCESSIVE INHALATION OF DUST MAY RESULT IN RESPIRATORY DISEASE, INCLUDING SILICOSIS, PNEUMOCONIOSIS AND PULMONARY FIBROSIS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 42, MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS, SILICA AND SOME SILICATES (1987), THAT THERE IS "SUFFICIENT EVIDENCE" FOR THE CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS AND "LIMITED EVIDENCE" WITH RESPECT TO HUMANS.

INSPECTION REPORT

The undersigned, employed by _____, and operating vehicle/rig number _____, does hereby certify that he has thoroughly and completely inspected and/or cleaned as required the payload area including all hoses, product lines, tanks and related equipment and certifies that the same are free of contaminants; the undersigned does hereby except full responsibility and liability for any product contamination which may hereafter occur with respect to the Badger Mining Corporation product being loaded into such vehicle upon execution hereof.

Dated this _____ day of _____, 19____.

Signature of Driver

[Signature]

Printed Name of Driver

HERESITE
PROTECTIVE COATINGS
INCORPORATED

ESTABLISHED 1935

"Where Quality Is A Tradition"

December 11.

Mr. Sheldon H. Schall
DILHR
PO Box 7969
Madison WI 53707

Re: Underground Storage Tank Closure Request
to Close in Place

Dear Chief Schall:

This letter is to notify you of our impending closure of two underground storage tanks at Heresite Protective Coatings, 822 South 14th Street, Manitowoc, Wisconsin. The tanks are 18,000 gallons in size and contain Denatured Ethyl Alcohol. Due to the undue hardship that removal of the tanks would create, we request authorization to close the tanks in place in accord with ILHR 10.732(2)(b).

We have retained the services of E & K Hazardous Waste Service, Inc., a licensed and insured tank removal contractor whose offices are located at 2905 Pain Avenue, Sheboygan, Wisconsin, to perform the necessary services.

E & K's certified personnel will perform the required site assessment and cleaning prior to closure of the tanks.

We will be substituting 320 gallon Stainless Steel Liqua-tainers (tote tanks) for storage of our Denatured Ethyl Alcohol. These tote tanks are D.O.T. 57 approved for the transportation of flammable materials. Our supplier has over 200 of these units currently in service. By scheduling weekly deliveries, we expect to have a maximum of three or four totes on hand at any one time. These totes will be stored in our warehouse that was previously declared as our flammable liquids storage area.

If you have any questions regarding the activities, please contact Dean Kelley, Project Manager at E & K at 414-458-6030 or me at 414-684-6646.

Regards,

HERESITE PROTECTIVE COATINGS, INC.

Thomas L. Fritzke
Thomas L. Fritzke
President

TLF/slm

822 SOUTH 14th ST., MANITOWOC, WISCONSIN 54220
(414) 684-6646 TWX: 910-260-2406 FAX: (414) 684-0110

Post-it brand fax transmittal memo 7871

To	Dean Kelley	From	Ed Blake	# of pages	1
Co.	E & K	Ca	Heresite		
Dept.		Phone	414 684 6646		
Fax	414-4527254	Fax	414 684 0110		

State of Wisconsin \ Department of Industry, Labor and Human Relations

201 E. Washington Avenue
Madison, WI. 53702

FAX COVER SHEET

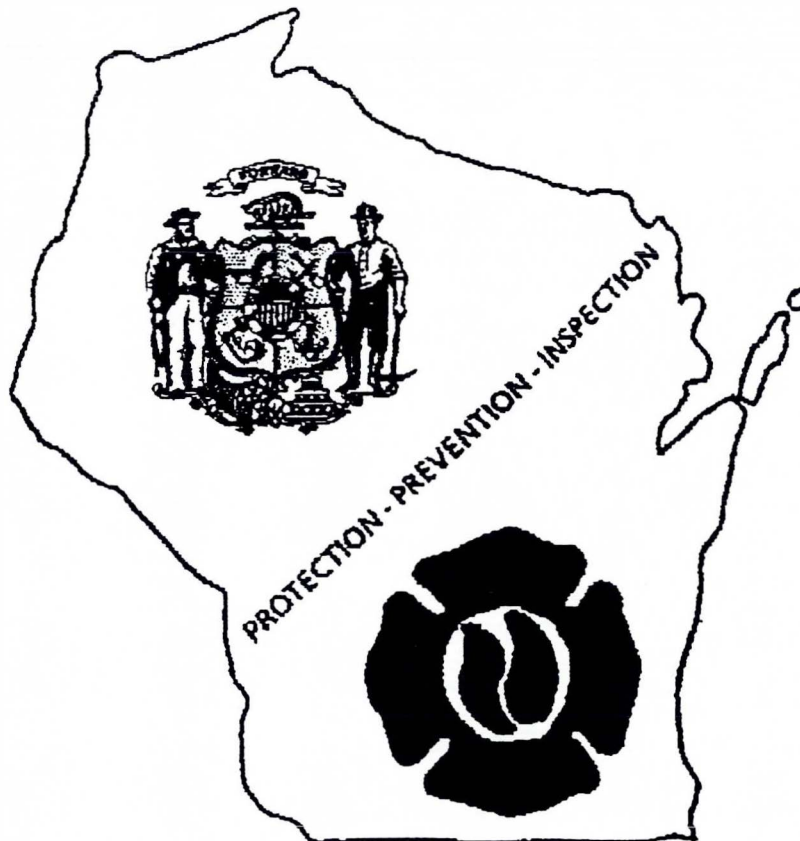
Press pen firmly when completing.

Date Sent: Jan 3, 1992Pages Sent (excluding this cover): ✓TO: Dean KellyFrom: SHELDON SCHALLE & K Haz. WasteFire Protection SectionSheboygan, WIFax #: 608 267-0592Fax #: 414-452-7254Voice #: 608 266-0956

Special Instructions (optional):

Request to close 19000 gal ETOH tank in place @
Heresite Protective Coating, 822 S. 14th St., Manitowish
is granted. Site assessment & Reporting is required.
If there were any problems with the transmission or not all pages were received, please contact sender immediately at above voice telephone number.

ADM - 8170 (N. 04/89)

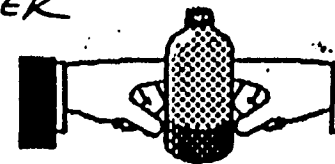


STATE OF WISCONSIN
Department of Industry, Labor & Human Relations
Fire Protection & Underground Storage Section
Safety and Buildings Division
(608) 266-0956

APPENDIX 3
Chain of Custody

CHAIN OF CUSTODY RECORD

TO ORTEK



Client: Hersite Protective Coatings Analytical Requested
Project No: 13,863
Sampling Site: 822 S14 ST manitowish
Sampler: Boyd A. / Chris E

Date	Time	Sample I.D.	Description	Base Total # Type	Sample Source	Sample Procedure	Composite of Grab	Preservation Method
1/7/91	3:20 PM	8808	SOIL SAMPLE (CTR)	1-40g CL	TANK FILL	TRIER	GRAB	PLACED ON ICS @ 4:15
1/7/91	3:23 PM	8809	SOIL SAMPLE (U)	1-40g CL	TANK FILL	TRIER	GRAB	" "
1/7/91	3:25 PM	8810	SOIL SAMPLE (S)	1-40g CL	TANK FILL	TRIER	GRAB	" "
1/7/91	3:30 PM	8811	BROWN LIQUID + SOLIDS	1-qt A	2-DM	COLI	GRAB	" "

Custody Transfers

Emergency Contact #1-800-688-4005

Relinquished by:

Date:

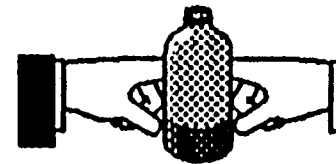
Time:

Received by:

1. Diane Hilbertson 1-8-92 8:25 AM Seanie Herty
2. _____
3. _____
4. _____

Additional Comments:

CHAIN OF CUSTODY RECORD



Client: HERESITE PROTECTIVE COATINGS Analytical Requested
Project No: 13,883
Sampling Site: R22 S 14 ST MANITOWOC
Sampler: DWANE S

Date	Time	Sample I.D.	Description	Back Tall & Type	Sample Source	Sample Procedure	Composite or Grab	Preservation Method
1/8/92	2:00	88111	CLEAR LIQUID	2 AGT TANKER		COL-1	GRAB	on ice @ 3:15

Custody Transfers

Emergency Contact #1-800-688-4005

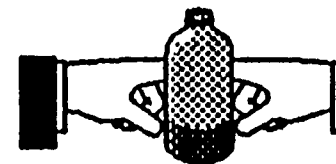
Relinquished by: [Signature] Date: 1-8-92 Time: 3:40 PM Received by: [Signature]
1. _____
2. _____
3. _____
4. _____

Additional Comments:

CHAIN OF CUSTODY RECORD

Client: HERESITE PROT. COATINGS
 Project No: 13863
 Sampling Site: E & K
 Sampler: D. KELLY, P. DITTER

Analytical Requested



Date	Time	Sample I.D.	Description	Analytical Requested						Sample Source	Sample Procedure	Composite of Grab	Preservation Method
				ETHANOL	YOC'S (BETA)								
1/16/92	3:30 PM	8831 (12, 16, 1c)	DILUTED GROUNDWATER & ALCOHOL MIXTURE	X	X					3	10 to 1 dilution of coliwasa sample	Comp	75 ml per 40ml vial HCE (pH 2)
1/16/92	3:35	8832 (2)	FIELD BLANK	X	X					1	Field Blank	Comp	SAME

Custody Transfers

Emergency Contact #1-800-688-4005

Relinquished by:

Date:

Time:

Received by:

1. Dan Kelly 1-16-92 3:50pm Krista Hintz
 2. _____
 3. _____
 4. _____

Additional Comments:

Per Standard attached for Ethanol

APPENDIX 4

Color Photographs of Site



Photo Number 1

Date 01-06-92

Description: Denatured Ethanol UST Tank located under concrete floor between processing oven and aboveground paraformaldehyde storage tanks. Photo taken facing west.

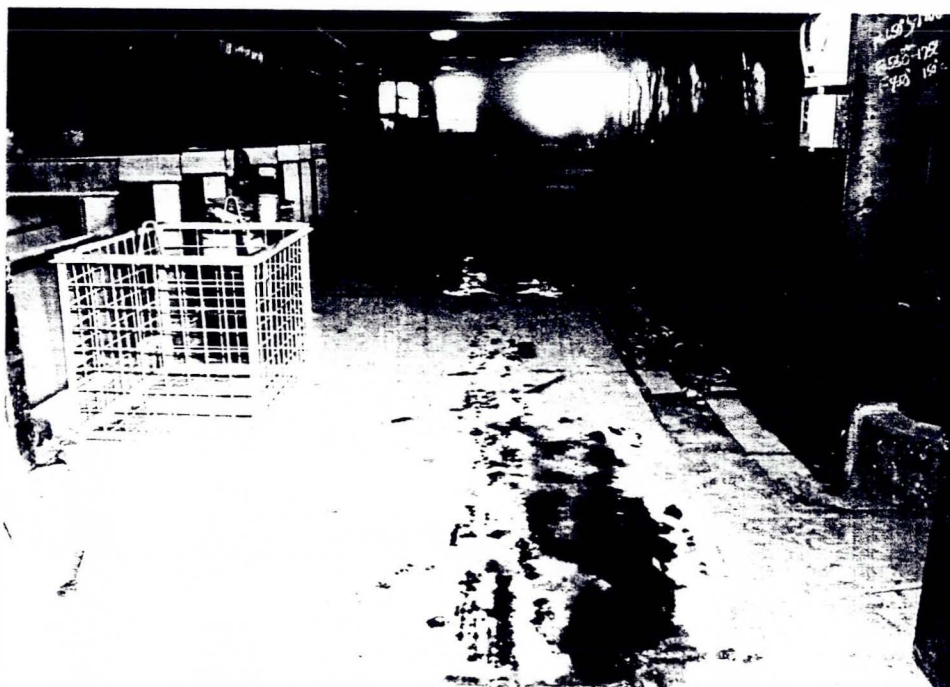


Photo Number 2

Date 01-06-92

Description: Facing east over the UST tank bed.

E&K Hazardous Waste Services, Inc. Project No. 13863

Dean M. Kelley Project Manager

Customer: Heresite Protective Coatings, Inc.



Photo Number 3

Date 01-06-92

Description: Exposure of Top of Tank showing entry manhole through which tank cleaning and filling with sand occurred.

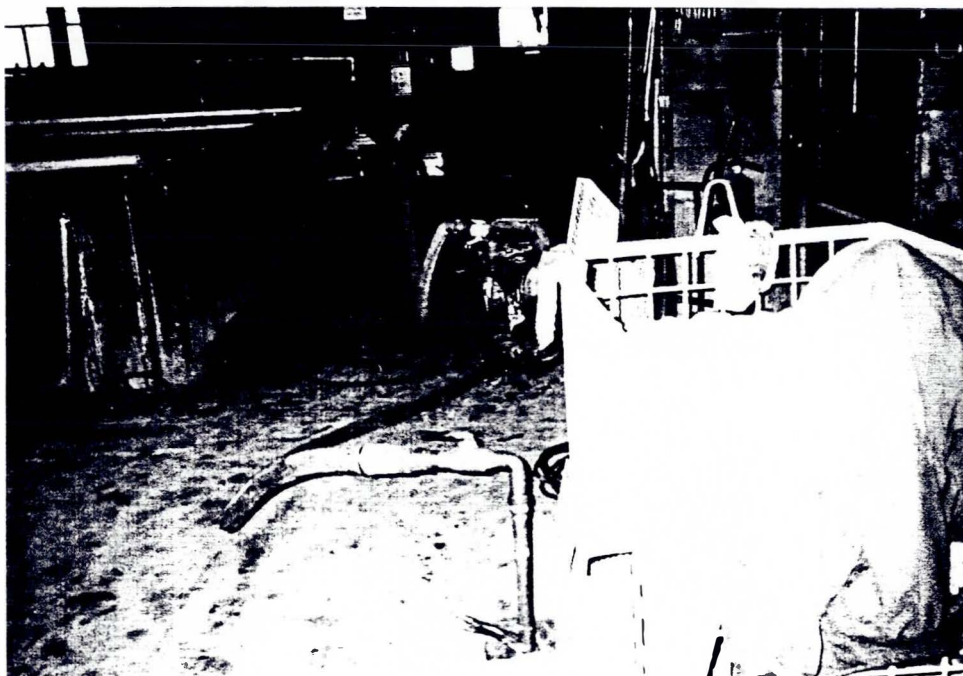


Photo Number 4


Date 01-06-92

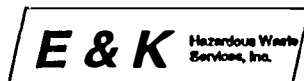
Description: Pumping contents of the tank prior to entry, cleaning and closure in-place.

E&K Hazardous Waste Services, Inc. Project No. 13863
Dean M. Kelley Project Manager
Customer: Dico, Inc.

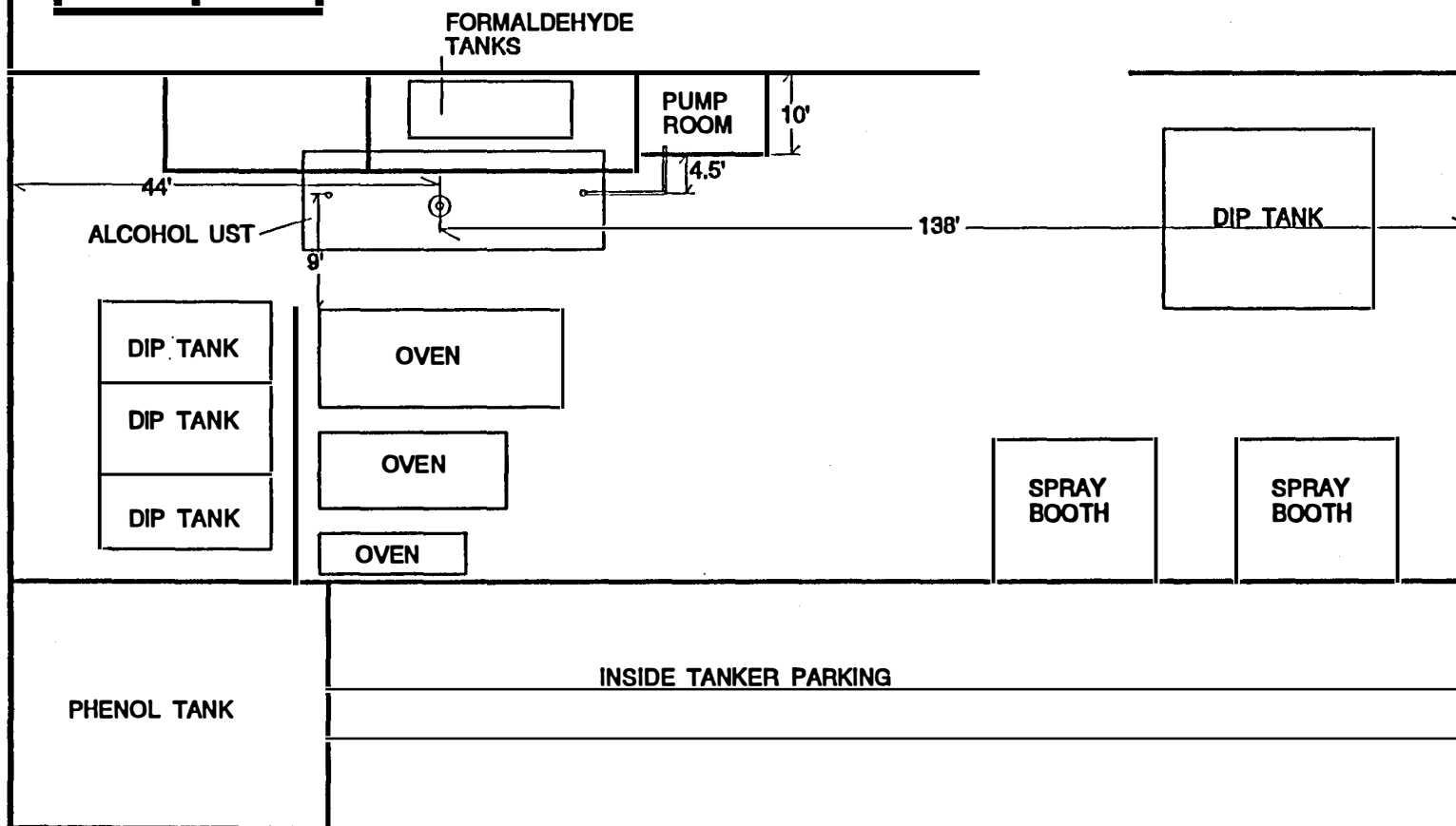
APPENDIX 5

Site Map

HERCITE PROTECTIVE COATINGS	
622 S. 14th ST.	
MANTOWOC, WI 54220	
 NORTH	01-08-82
	SCALE 1" = 22'



SHIPPING AND RECEIVING



Appendix 6
Laboratory Analytical



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

13863/DK
1-14-92

414-498-2222

FAX: 414-498-4067

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: EK8742
Sample Desc: ALCOHOL STD
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	800	990,000

ND = Not Detected

Comments: Lab Sample ID: 9112206 - 121370
Date Analyzed: 01/03/92
Analyzed by GC-FID Headspace Technique.
Concentration greater than theoretical but since it was for
confirmation only it was not retested at a greater dilution.

Signed: D. [Signature]

Date: 1-7-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

13863/DK
1-10-92

- SAMPLE ANALYSIS REPORT -

To: E & K HAZARDOUS
2905 PAINE AVE
P O BOX 1249
SHEBOYGAN WI 53082-1249

Attn: JANICE HINTZ

Batch ID : 9112200
Our lab # : 121348
Your sample ID: EK-8739
Sample Matrix : WATER

Report Date: 01/07/92

COLLECTION INFORMATION

Date/Time/By: 12/19/91 DG/CT
Location : 13863-HERESITE

Lab#	Test	Result Units
121348	Total Recoverable Petroleum Hydrocarbons	97.0 MG/L

Signed

Date

1-7-92

Signed

Date



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: EK8739
Sample Desc: GROUNDWATER
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	1000	180,000

ND = Not Detected

Comments: Lab Sample ID: 9112200 - 121348
Date Analyzed: 01/03/92 & 01/06/92
Analyzed by GC-FID Headspace Technique.

Signed: 

Date: 1-7-92



ENVIRONMENTAL LABORATORY

414-498-2222
FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: EK8741
Sample Desc: FIELD BLANK
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	5.0	ND

ND = Not Detected

Comments: Lab Sample ID: 9112200 - 121349
Date Analyzed: 01/03/92
Analyzed by GC-FID Headspace Technique.

Signed: 

Date: 1-7-92



ENVIRONMENTAL LABORATORY

414-498-2222

FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: TRIP BLANK
Sample Desc: OFW
Date Collected: 12/19/91
Date Received: 12/20/91
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	5.0	ND

ND = Not Detected

Comments: Lab Sample ID: 9112200 - 121350
Date Analyzed: 01/03/92
Analyzed by GC-FID Headspace Technique.

Signed: 

Date: 1-7-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222
FAX: 414-498-4067

13863/DK
1-28-92

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8808
Sample Desc: SOIL - CTR
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	0.1	ND

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121730
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: D- [Signature]

Date: 1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

13863/85
1-28-92

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8809
Sample Desc: SOIL - W
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	0.8	72

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121731
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: Date: 1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

13863/DK
1-28-92

414-498-2222

FAX: 414-498-4067

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8810
Sample Desc: SOIL - E
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	.5	12

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121732
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed:

Date:

1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

13863/DK
128-92414-498-2222
FAX: 414-498-4067

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVENUE
P O BOX 1249
SHEBOYGAN WI 53082-1249

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Wisconsin Certification No.
405099530

Sample ID: EK8811
Sample Desc: BROWN LIQUID
& SLUDGE
Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863/HERESITE
PROTECTIVE COATING

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/kg
Ethanol	510	47,000

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121733
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: Date: 1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

CLIENT: E & K. HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

Sample ID: EK8811
Sample Desc: BROWN LIQUID &
SLUDGE

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Date Collected: 01/07/92
Date Received: 01/09/92
Job #: 13863

VOLATILE ORGANIC WATER ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION ug/l
Benzene	10	ND
Ethylbenzene	10	210 <i>MS</i>
Toluene	10	1400 <i>ES</i>
Total Xylenes	30	960 <i>ES</i>

ND = Not Detected

Comments: Lab Sample ID: 9201044 - 121733
Date Analyzed: 01/14/92 & 01/15/92
Analyzed by GC Method 8020.

Signed: Date: 1-27-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 1249

Green Bay, WI 54302-1249

TEL: 920 2322

FAX: 920 2322

- SAMPLE ANALYSIS REPORT -

TO: E & K HAZARDOUS
2905 PAINE AVENUE
PO BOX 1249
SHEBOYGAN WI 53082-1249

ATTN: JANICE HINTZ

Batch ID: 9201044
Our Lab #: 121733
Your Sample ID: SAMPLE-8811
Sample Matrix: BROWN LIQUID AND SLUDGE

Report Date: 01/30/92

COLLECTION INFORMATION

Date/Time/By: 01/07/92 15:30 BS/CE
Location: HERESITE 13863

Lab#	Test	Result	Units
121733	Flash Point	>	210 o F

Signed:

Date:

2-14-92

Signed:

Date:

Revision, 02/14/92, vrg



ENVIRONMENTAL LABORATORY

414-498-2222
FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

Sample ID: 8832 (2)
FIELD BLANK

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample Desc: GW
Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	5.0	ND

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122086
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: 

Date: 1-22-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222
FAX: 414-498-406713863/DK
1-28-92CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVE
SHEBOYGAN WI 53082-1249Wisconsin Certification No.
405099530ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030Sample ID: 8832
Sample Desc: FIELD BLANK
Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863/HERESITE PRO.COAT

VOLATILE ORGANIC WATER ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION ug/l
Benzene	1.0	ND
Ethylbenzene	1.0	3.3
Toluene	1.0	4.7
Total Xylenes	3.0	11

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122086
Date Analyzed: 01/20/92
Analyzed by GC Method 8020.Signed: Date: 1-27-92



ENVIRONMENTAL LABORATORY

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

414-498-2222

FAX: 414-498-4067

CLIENT: E & K HAZARDOUS
ADDRESS: 2905 PAINE AVE
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Sample ID: 8831
Sample Desc: DILUTED WATER &
ALCOHOL MIXTURE
Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863/HERESITE PRO.COAT

VOLATILE ORGANIC WATER ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION ug/l
Benzene	5.0	ND
Ethylbenzene	5.0	ND
Toluene	5.0	ND
Total Xylenes	15	ND

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122085
Date Analyzed: 01/20/92 & 01/21/95
Analyzed by GC Method 8020.
Contains High Levels of Non-Target Compounds

Signed: Date: 1-27-92



ENVIRONMENTAL LABORATORY

414-498-2222

FAX: 414-498-4067

2496 West Mason Street

P.O. Box 12435

Green Bay, WI 54307-2435

CLIENT: E & K HAZARDOUS
ADDRESS: PO BOX 1249
SHEBOYGAN WI 53082-1249

Wisconsin Certification No.
405099530

Sample ID: 8831 (1A, 1B, 1C)
Sample Desc: DILUTED GW &
ALCOHOL MIXTURE

ATTENTION: JANICE HINTZ
TELEPHONE: (414) 458-6030

Date Collected: 01/16/92
Date Received: 01/18/92
Job #: 13863

ETHANOL ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION mg/l
Ethanol	200	17,000

ND = Not Detected

Comments: Lab Sample ID: 9201123 - 122085
Date Analyzed: 01/20/92
Analyzed by GC-FID Headspace Technique.

Signed: Date: 1-22-92

Appendix 7

Transportation Documentation

Shipper No. _____

Carrier No. _____

Date _____

(Name of Carrier)

FROM:

Shipper HERSITE PROTECTIVE COATINGS, INC

Street 822 S 14TH ST

Origin MANITOWOC WI Zip Code 54220

Vehicle No.

Kind of Packaging, Description of Articles
Special Marks and Exceptions

Weight
(Subject to
Correction)

RATE

CHARGES

Project # 13863

COD

Amt: \$

C.O.D. FEE:

PREPAID ☐

COLLECT ☐

TOTAL \$
CHARGES:

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

\$ _____ per _____

(Signature of Consignor.)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid

 Collect:

RECEIVED), subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted therein, and condition of contents of packages unknown, marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, or on its route, in herwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER

PER

DATE _____

TOPS  FORM No. 3841

LITHO. in U.S.A.

2. Draft

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

Shipper No. _____

Carrier No. _____

E & K GENERAL HAULING, INC
(Name of Carrier)Date 2/28/92

TO: Consignee <u>GREEN BAY METRO SEWAGE DISTRICT</u>	FROM: Shipper <u>HERESITE PROTECTIVE COATINGS, INC.</u>
Street <u>2231 N. QUINCY</u>	Street <u>822 S 14TH ST</u>
Destination <u>GREEN BAY, WI</u> Zip Code <u>54307</u>	Origin <u>MANITOWOC, WI</u> Zip Code <u>54220</u>

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
<u>420</u>	<u>NON-REGULATED WASTEWATER & ALCOHOL</u>			
	<u>GALLONS</u>			
	<u>PROJECT # 13863</u>			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/> \$	TOTAL CHARGES: \$
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Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

Andy Bonowski
(Signature of Consignor.)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER PER	CARRIER PER	DATE <u>2/28/92</u>
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TOPS FORM No. 3841

LITHO. in U.S.A.

2

Shipping Order Copy

Carrier No. _____

E & K GENERAL HAULING, INC.
(Name of Carrier)Date 3-12-92

TO: <u>GREEN BAY METROPOLITAN</u>		FROM: _____	
Consignee <u>SEWAGE DISTRICT</u>		Shipper <u>HERESITE PROTECTIVE COATINGS, INC.</u>	
Street <u>2231 N QUINCY</u>		Street <u>822 S 14TH ST</u>	
Destination <u>GREEN BAY, WI</u> Zip Code <u>54307</u>		Origin <u>MANITOWOC, WI</u> Zip Code <u>54226</u>	
Route: _____		Vehicle No. _____	

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
<u>350</u>	<u>NON-REGULATED WASTEWATER & ALCOHOL</u> <u>GALLONS</u>			
	<u>PROJECT # 17863</u>			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
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Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid☐ Collect

RECEIVED. Subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	<u>Don Juerga</u>	CARRIER	<u>Don Juerga</u>
PER		PER	
		DATE	<u>3-12-92</u>

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

Shipper No. _____

Carrier No. _____

Date 3-18-92

E & K GENERAL HAULING INC

(Name of Carrier)

TO:		FROM:	
Consignee <u>GREENBAY METROPOLITAN SEWAGE DISTRICT</u>	Shipper <u>HERESITE PROTECTIVE COATINGS, INC</u>		
Street <u>2231 N QUINCY</u>	Street <u>822 S 14TH ST</u>		
Destination <u>GREENBAY, WI</u>	Origin <u>MANITOWOC, WI</u>	Zip Code <u>54307</u>	Zip Code <u>54220</u>

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
<u>75</u>	<u>NON-REGULATED WASTE WATER & ALCOHOL</u>			
	<u>GALLONS HAZ PRODUCT # 13863</u>			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
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<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____</p>	<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>_____ (Signature of Consignor.)</p>	<p>FREIGHT CHARGES</p> <p>Check Appropriate Box:</p> <p><input type="checkbox"/> Freight prepaid <input type="checkbox"/> Collect</p>
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RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted contents and condition of contents of packages unknown, marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as in each carrier of all or any part, said property over all or any portion of said route to destination and as to each and every time interest in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER <u>E & K</u>	CARRIER <u>E & K</u>
PER <u>Don Jurgens</u>	PER <u>Don Jurgens</u> DATE <u>3-18-92</u>

Shipping Order Copy

Carrier No. _____

Date 3-26-92

E & K GENERAL HAULING, INC

(Name of Carrier)

TO: GREEN BAY METROPOLITAN Consignee	FROM: LEXITE PROTECTIVE COATINGS, INC. Shipper
SWAGG DISTRICT	
Street 2231 N. QUINCY	Street 822 S 14 TH ST
Destination GREEN BAY WI Zip Code 54307	Origin MANITOWOC, WI Zip Code 54220
Route:	Vehicle No

[illegible]

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
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Note—Where the rate is dependent on value, shippers' are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor.)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid

☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	Don <i>E & K</i>	CARRIER	Don <i>Don</i>
PER	<i>Don</i>	PER	<i>Don</i>
		DATE	3/36/92

TOPS FORM No. 3841

LITHO. in U.S.A.

2

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

Shipper No. _____

Carrier No. _____

Date 4/7/92

E&K GENERAL HAULING, INC.
(Name of Carrier)

TO: <u>GREEN BAY METROPOLITAN</u>		FROM: _____	
Consignee <u>SEWAGE DISTRICT</u>		Shipper <u>HERESITE PROTECTIVE COATINGS, INC.</u>	
Street <u>2231 N QUINCY</u>		Street <u>822 S 14TH ST</u>	
Destination <u>GREEN BAY, WI</u> Zip Code <u>54307</u>		Origin <u>MANITOWOC, WI</u> Zip Code <u>54220</u>	
Route: _____		Vehicle No. _____	

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
	<u>NON-REGULATED WASTE WATER & ALCOHOL</u>			
<u>300</u>	<u>GALLONS</u>			
	<u>PROJECT # 13863</u>			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____</p>		<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>(Signature of Consignor.)</p>	
		<p>FREIGHT CHARGES</p> <p>Check Appropriate Box:</p> <p><input type="checkbox"/> Freight prepaid <input type="checkbox"/> Collect</p>	

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of either any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	CARRIER
PER	PER DATE

Shipping Order Copy

Carrier No. _____

Date _____

E & K General Hauling, Inc.
(Name of Carrier)

(Name of Carrier)

LITHO. in U.S.A.

2

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Shipping Order Copy

E & K GENERAL HAULING, INC.
(Name of Carrier)

Shipper No. _____

Carrier No. _____

Date _____

TO: GREENBAY METROPOLITAN		FROM: HERESITE PROTECTIVE COATINGS, INC	
Consignee SEWAGE DISTRICT		Shipper HERESITE PROTECTIVE COATINGS, INC	
Street 2231 N. QUINCY		Street 822 S 14TH ST	
Destination GREENBAY WI Zip Code 54307		Origin MANITOWOC, WI Zip Code 54220	
Route: _____		Vehicle No. _____	

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
165	NON - REGULATED WASTE WATER & ALCOHOL GALLONS			
	PROJECT # 13863			
	Rick K. Kuntz			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____</p>		<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>(Signature of Consignor.)</p>	
		<p>FREIGHT CHARGES</p> <p>Check Appropriate Box:</p> <p><input type="checkbox"/> Freight prepaid <input type="checkbox"/> Collect</p>	

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	CARRIER E & K Hauling
PER	PER For Mailing DATE 4-23-92

TOPS FORM No. 3841

LITHO. in USA

2

STRAIGHT BILL OF LADING-SHORT FORM-Original-Not Negotiable

RECEIVED, subject to the classifications & tariffs in effect on the date of issue of this Original Bill of Lading.

BADGER MINING CORPORATION, SHIPPER

P. O. Box 97, Fairwater, Wisconsin 53931

"An Innovative Company Providing Dependable Service and Quality"



Shipper's 54984

Log # _____

LOCATION: Fairwater DATE Jan 8 19 92

The property described in apparent good condition except as noted (contents and condition of contents of packages), marked, consigned, and destined as indicated below, which said carrier (the "carrier") being understood throughout this contract as meaning any person, corporation, or firm, of the property, the contract agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to another carrier on the route to said destination. It is mutually agreed as to each carrier of or any of said property over or any portion of route to destination, as to each party at any time interested in all, any of said property, that every service to be performed hereunder shall be subject to the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth in the Uniform Freight Classification in effect on the date hereof, if this is a rail or a railroad shipment, or (2) in the applicable carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee for purposes of notification only)

Consigned to E & K to Heresite Protective Coating

Destination State of WI.

Route Tractor No. 892

Delivering Carrier BMC Trailer No. 828

No.	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	SHIPPER'S WEIGHT	
	T-L Grade <u>TANK FILL</u> GROSS	<u>79500</u>	Subject to Section 1 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without payment of freight, the carrier shall also be liable for the payment of the freight and all other lawful charges. The carrier shall not make a delivery of this shipment without payment of freight and all other lawful charges. BADGER MINING CORP. (Signature of Consignor) If charges are to be prepaid, write or stamp here, "To be Prepaid"
	Bags TARE	<u>27300</u>	
	Car # NET	<u>52200</u>	
Special Instructions:			
In:		<u>26.1 Ton</u>	
Out:			
S. ple/Analysis Required <input type="checkbox"/>			Received \$ _____ in apply in prepayment of the charges on the property described hereon.
THE LOADED WEIGHT OF THIS VEHICLE DOES NOT EXCEED THE LICENSED LIMIT.			
Weighmaster's Signature <u>[Signature]</u>			Agent or Cashier
Driver's Signature <u>[Signature]</u>			Per <u>[Signature]</u>
Tank # <u>4</u>			The signature here acknowledges only the amount prepaid.
Charges Advanced:			

BADGER MINING CORP., SHIPPER
P. O. Box 97, Fairwater, WI 53931

Per _____

4

Receiver's Signature [Signature]

WARNING INDUSTRIAL SILICA SAND
CONTAINS FREE SILICA. AVOID BREATHING DUST FROM THIS PRODUCT. PROLONGED EXPOSURE MAY CAUSE DELAYED LUNG INJURY. EXCESSIVE INHALATION OF DUST MAY RESULT IN RESPIRATORY DISEASE, INCLUDING SILICOSIS, PNEUMOCOCCUS AND PULMONARY FIBROSIS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 42, MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS, SILICA AND SOME SILICATES (1978), THAT THERE IS "SUFFICIENT EVIDENCE" FOR THE CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS AND "LIMITED EVIDENCE" WITH RESPECT TO HUMANS.

INSPECTION REPORT

The undersigned, employed by BMC, and operating vehicle/rig number _____, does hereby certify that he has thoroughly and completely inspected and/or cleaned as required the payload area including all hoses, product lines, tanks and related equipment and certifies that the same are free of contaminants; the undersigned does hereby except full responsibility and liability for any product contamination which may hereafter occur with respect to the Badger Mining Corporation product being loaded into such vehicle upon execution hereof.

Dated this _____ day of _____, 19 _____

Signature of Driver

Printed Name of Driver

STRAIGHT BILL OF LADING-SHORT FORM-Original-Not Negotiable

RECEIVED, subject to the classifications & tariffs in effect on the date of issue of this Original Bill of Lading.

BADGER MINING CORPORATION, SHIPPER

P. O. Box 97, Fairwater, Wisconsin 53931

"An Innovative Company Providing
Dependable Service and Quality"

Shipper's

54983

Log #

LOCATION: Fairwater DATE Jan 8 1992

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee. For purposes of notification only)

Consigned to E & K To Haresite Protective CoatingDestination Manitowoc State of WisconsinRoute _____ Tractor No. 888Delivering Carrier BMC Trailer No. B-20

No. Packages	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	SHIPPER'S WEIGHT	
	T-L Grade TANK FILL GROSS	79800	Subject to Section 7 of conditions of negotiable bill of lading, if this shipment is to be delivered to the consignee without recourse on the carrier, the consignee shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. BADGER MINING CORP. (Signature of Consignor) If charges are to be prepaid, write or stamp here: "To Be Prepaid"
	Bags F-6514 TARE	26500	
	Car # NET	53,300	
Special Instructions:			
	In:		
	Out:		
	Sample/Analysis Required <input type="checkbox"/>	THE LOADED WEIGHT OF THIS VEHICLE DOES NOT EXCEED THE LICENSED LIMIT.	
	Weighmaster's Signature <u>Jerry</u>		
	Tank # <u>10</u> Driver's Signature <u>John M.</u>		

*The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of Rule 41 of the Consolidated Freight Classification. *Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.
*If this shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's" or shipper's weight.
*Still, where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per

BADGER MINING CORP., SHIPPER
P. O. Box 97, Fairwater, WI 53931

Per _____

Receiver's Signature [Signature]

4

WARNING INDUSTRIAL SILICA SAND
CONTAINS FREE SILICA. AVOID BREATHING DUST FROM THIS PRODUCT. PROLONGED EXPOSURE MAY CAUSE DELAYED LUNG INJURY (SILICOSIS). EXCESSIVE INHALATION OF DUST MAY RESULT IN RESPIRATORY DISEASE, INCLUDING SILICOSIS, PNEUMOCONIOSIS AND PULMONARY PHOSPHOS. INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 42 MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS. SILICA AND SOME SILICATES (1987). THAT THERE IS "SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS" AND "LIMITING EVIDENCE" WITH RESPECT TO HUMANS.

INSPECTION REPORT

The undersigned, employed by BMC,
and operating vehicle/rig number 888-B-20, does hereby
certify that he has thoroughly and completely inspected and/or cleaned as required the
payload area including all hoses, product lines, tanks and related equipment and certi-
fies that the same are free of contaminants; the undersigned does hereby except full
responsibility and liability for any product contamination which may hereafter occur
with respect to the Badger Mining Corporation product being loaded into such vehicle
upon execution hereof.

Dated this 8 day of January, 1992.Signature of Driver [Signature]

Printed Name of Driver

STRAIGHT BILL OF LADING-SHORT FORM-Original-Not Negotiable

RECEIVED, subject to the classifications & tariffs in effect on the date of issue of this Original Bill of Lading.

BADGER MINING CORPORATION, SHIPPER

P. O. Box 97, Fairwater, Wisconsin 53931

"An Innovative Company Providing Dependable Service and Quality"



Shipper's

54982

Log #

LOCATION: Fairwater DATE 1/7 19 92

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if an intrastate, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to E & K to Here site Protective (posting)Destination Manitowoc State of WI

Route _____ Tractor No. _____

Delivering Carrier BMC Trailer No. _____

No. Packages	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	SHIPPER'S WEIGHT	<small>Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignee shall sign the following statement:</small> <small>The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.</small> BADGER MINING CORP. <small>(Signature of Consignor)</small> <small>If charges are to be prepaid, write or stamp here. "To be Prepaid"</small>
	T-L Grade <u>Tank Fill</u> GROSS	<u>80000</u>	
	Bags TARE	<u>27300</u>	
	Car # NET	<u>52700</u>	
Special Instructions:		<u>26.35</u>	
	In:		
	Out:		
	Sample/Analysis Required <input type="checkbox"/>	THE LOADED WEIGHT OF THIS VEHICLE DOES NOT EXCEED THE LICENSED LIMIT.	Received \$ _____ to apply in prepayment of the charges on the property described hereon.
	Weighmaster's Signature <u>[Signature]</u>		Agent or Cashier
	Tank # <u>9</u> Driver's Signature <u>[Signature]</u>		Per <u>[Signature]</u> The signature here acknowledged only the amount prepaid.
<small>The three boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of Rule 41 of the Consolidated Freight Classification. "Shipper's Imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission."</small> <small>If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "Carrier's or shipper's weight."</small> <small>NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</small> <small>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____</small>			Charges Advanced: _____

BADGER MINING CORP., SHIPPER
P. O. Box 97, Fairwater, WI 53931

Per _____

4

Receiver's Signature [Signature]

WARNING INDUSTRIAL SILICA SAND
 CONTAINS FREE SILICA. AVOID BREATHING DUST FROM THIS PRODUCT. PROLONGED EXPOSURE MAY CAUSE DELAYED LUNG DISEASE (PNEUMOSIS). EXCESSIVE INHALATION OF DUST MAY RESULT IN RESPIRATORY DISEASE, INCLUDING SILICOSIS, PNEUMOCOPIOSIS AND PULMONARY FIBROSIS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 42, MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS, SILICA AND SOME SILICATES (1987) THAT THERE IS "SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS" AND "LIMITED EVIDENCE" WITH RESPECT TO HUMANS.

INSPECTION REPORT

The undersigned, employed by _____, and operating vehicle/rig number _____, does hereby certify that he has thoroughly and completely inspected and/or cleaned as required the payload area including all hoses, product lines, tanks and related equipment and certifies that the same are free of contaminants; the undersigned does hereby except full responsibility and liability for any product contamination which may hereafter occur with respect to the Badger Mining Corporation product being loaded into such vehicle upon execution hereof.

Dated this _____ day of _____, 19 _____.

Signature of Driver

Printed Name of Driver Ron Davis

Introduction

This report presents the results of E & K Hazardous Waste Services Inc. activities in connection with the cleaning and closure in-place of one 19,000 gallon denatured ethanol underground storage tank at 822 S 14th Street in Manitowoc, Wisconsin.

The tank closure was performed at the request of D. Edward Blake, Technical Director, Heresite Protective Coatings, Inc. 414-684-6646. E & K Hazardous Waste Services, Inc. monitored soil conditions at the site and performed the closure of the tank. Diagrams depicting the locations of the UST and the adjacent surroundings are presented in Appendix 5. A United States Geological Survey map and a City of Manitowoc map are located in Appendix 1. The completed Wisconsin Department of Industry, Labor and Human Relations (DILHR) Underground Petroleum Product Tank Inventory Form (SBD-7437) is presented in Appendix 2. The Wisconsin Department of Industry, Labor and Human Relations issued authorization to close the tank in place, a copy of the authorization is also included in Appendix 2. Fire Department personnel from the City of Manitowoc were notified prior to the tank closure of the impending action. No Fire Department personnel were on site at the time of the closure.

Executive Summary

Soil samples were collected to determine if contamination of the soil had occurred at the site. Laboratory analyses indicated that a low level of ethanol had been released from the underground storage tank. Groundwater was encountered at the site and there is a potential that groundwater has been contaminated by the release from the tank.

Scope of Work

E & K Hazardous Waste Services Inc. supplied personnel and equipment and performed the following services:

- Pumping, degassing, cleaning, and ultimate closure of the UST.
- Containerization and Disposal of wastes generated in cleaning the tank.
- Obtained soil samples that were representative of the site.
- Submitted samples for analysis.
- Compiled the necessary data to complete this report.

Tank and Site History

The site is a manufacturing facility which produces high quality coatings for various industrial needs. The 19000 gallon tank was used for storage of denatured ethanol used in the manufacturing process. The owner of the property has no actual knowledge of the past history of the tank prior to its installation at the facility. The tank is assumed to be a former railcar-tanker which was retrofitted and installed for use as an underground storage tank back in the late 1930's.

Site Location, Topography, and Soils

The facility is located at 822 S. 14th Street in Manitowoc, Wisconsin. The site lies in Township 18 North, Range 24 East, in the City of Manitowoc (SW 1/4, of the NE 1/4, Section 30).

The native soils at this site are mapped as Nichols very fine sandy loam in the Soil Survey of Calumet and Manitowoc Counties, Wisconsin (July 1978). This soil typically formed in sandy deposits and is characterized by zero to two percent slopes. The soil consists of well drained soils that have a subsoil of silty sand.

Site Activities

The 19000 gallon tank which was closed during this project had been used to provide storage for denatured ethyl alcohol used in the manufacturing processes at this facility. Prior to closure, an inspection of the facility and sampling of the tank contents for an analytical baseline was conducted by E & K personnel on December 19, 1991.

On January 6, 1992 the tank was opened and the contents were pumped out into a semi-tanker. Color Photographs of the tank location in the facility and its proximity to other aboveground storage tanks in the plant are contained in Appendix 4.

The tank bed was located on the interior south side of the building (See Appendix 5, Site Map). After pumping the contents of the tank, which generated approximately 2500 gallons of liquid, E & K technicians using evacuator fans, ventilated the tank monitoring the lower explosive limit

of the vapors. Ventilation was performed prior to and during tank entry and cleaning. On January 7, 1992 the interior of the tank was inspected and physically cleaned by E & K Technicians. The tank was entered following E & K confined space entry safety procedures. The tank walls were drilled through and soil samples were taken with a stainless steel soil probe/trier. The soil was moist which indicated groundwater was present in the area of the tank. As required in ILHR 10 for tank closure in place, three soil samples were taken, one from each end of the tank and one from the center base of the tank. Additionally, a sample of the tank cleanout material which had been previously drummed was taken for waste disposal purposes. (See the Chain of Custody in Appendix 3.) During inspection, the tank walls were found to be very corroded and slight seepage of groundwater into the tank was observed. E & K technicians sealed the seeping areas of the tank walls with "GAP SEAL", an inert silicone patching compound, prior to the filling procedure. Once the tank was cleaned and samples were taken, preparations were made for filling the tank.

Samples were placed in a cooler and packed with ice for storage and transport to a WDNR Certified Laboratory. Due to the fact the tank was used to store denatured ethyl alcohol, no headspace samples were taken.

Soil and Waste Sampling Procedures

Soil samples were taken in native soil at the midpoint of the tank on each end and at the center base of the tank. The soil samples were placed into Teflon-capped glass jars and cooled by placing them in a cooler filled with ice. The soil samples were transported to E & K and subsequently shipped to ORTEK Environmental Laboratories, a Wisconsin-certified laboratory in Green Bay, Wisconsin.

Samples were handled according to EPA protocol, including chain-of-custody procedures. A copy of the chain-of-custody is included in Appendix 3. Sample results are included in Table 1. Additional sampling and analytical work was performed in order to facilitate disposal of the liquid and sludge which had been pumped out of the tank prior to cleaning and sampling. Since the material was an alcohol, disposal was sought at a waste water treatment plant. Green Bay

Metropolitan Sewage District approved disposal at their facility on the condition that the waste be diluted 10 to 1 prior to delivery at the facility.

Analytical Results

Analytical results for the samples are shown on Table 1. Sampling points are shown on the site map in Appendix 5.

Table 1
Analytical Results for Site
Heresite Protective Coatings, Inc. Manitowoc, Wisconsin

Date Sampled	Sample Number	Description	Detection Limit	Conc. Detect.
12-19-91	EK8742	Alcohol Std.	800 mg/l Ethnl	990,000 mg/l
12-19-91	EK8739	Tank Contents Ethnl & Water	1000mg/l Ethnl TRPH	180,000 mg/l 97.0 mg/l
12-19-91	EK8741	Field Blank	5.0 mg/l Ethnl	ND
12-19-91	OFW	Trip Blank	5.0 mg/l Ethnl	ND
01-07-92	EK8808	Soil-CTR	0.1mg/kg Ethnl	ND
01-07-92	EK8809	Soil-W	0.8mg/kg Ethnl	72 mg/kg
01-07-92	EK8810	Soil-E	0.5mg/kg Ethnl	12 mg/kg
01-07-92	EK8811	Tank Sludge	510mg/kg Ethnl	47,000 mg/kg
01-07-92	EK8811	Tank Sludge	Flash Point	>210 F
01-16-92	EK8831	Alcohol/Water Diluted 10-1 (SN: EK8739)	200 mg/l Ethnl 5 ug/l Benzene 5 ug/l E. Benz 5 ug/l Toluene 15 ug/l Xylenes	17,000 mg/l ND ND ND ND
01-16-92	EK8832	Field Blank	5.0 mg/l Ethnl	ND

The results of the soil sample analysis, as shown on Table 1, indicate that there is denatured ethyl alcohol contamination in the soil at this tank site. Laboratory analysis report sheets are located in Appendix 6.

Disposal

Upon receipt of Disposal Approval at Green Bay Metropolitan Sewage District (GBMSD), all wastes generated during the tank cleaning process were transported under Straight Bills of Lading and disposed of at the GBMSD. Copies of the transportation documentation is located in Appendix 7.

Tank Closure Activities

Upon completion of tank cleaning and sampling operations, the tank was filled with sand as permitted by DILHR. Sand was blown into the tank via two inch discharge hoses from semi-trailers. The ends and sides of the tank were filled first and then the center of the tank was filled.

Conclusions

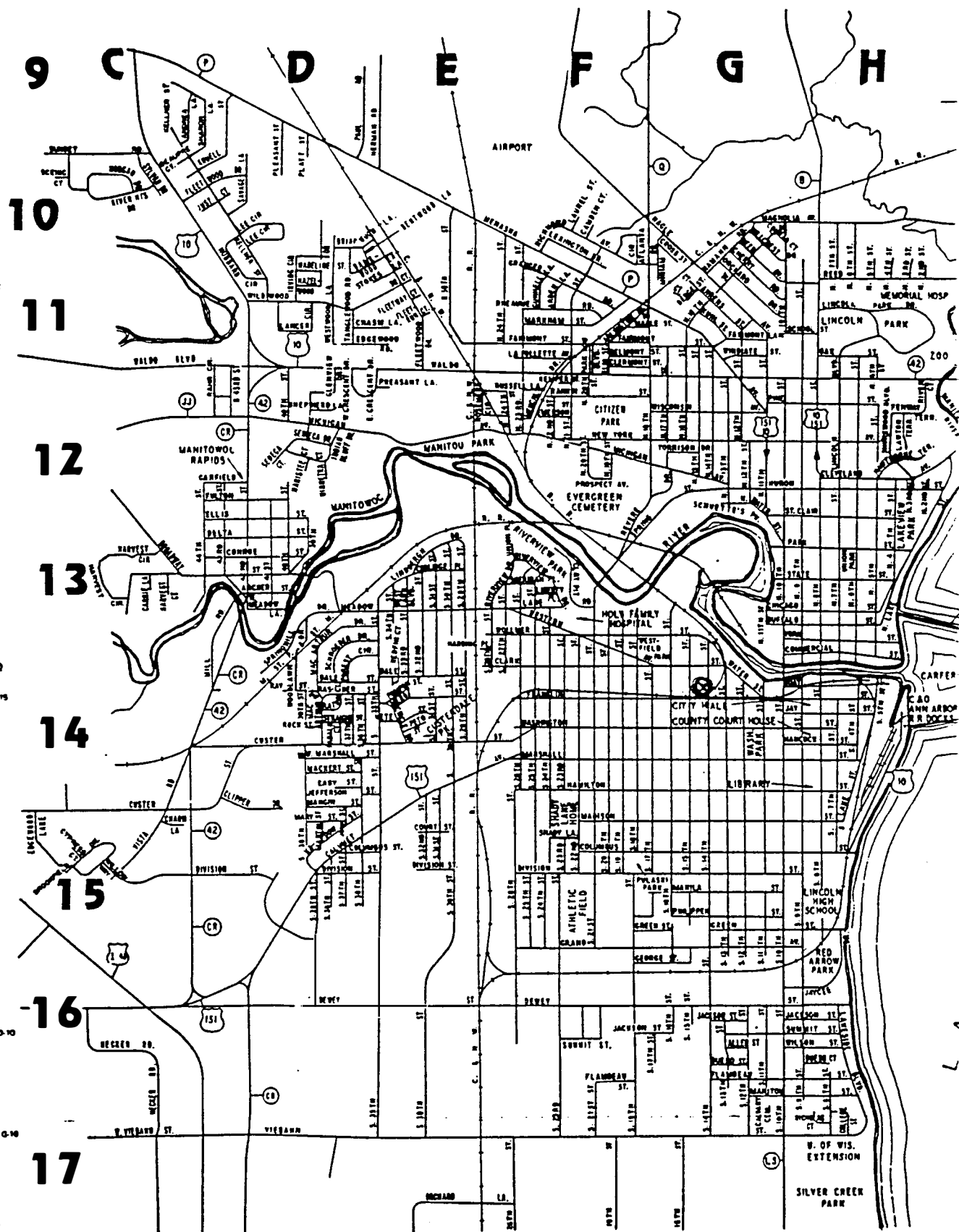
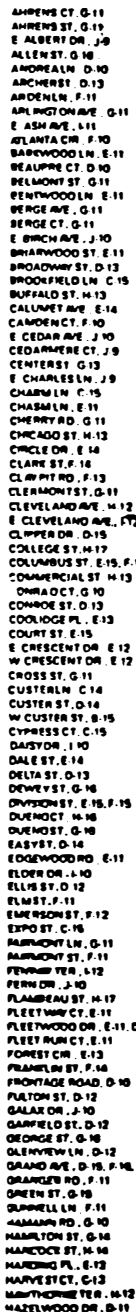
Denatured ethyl alcohol contamination was detected in the soil adjacent to the underground storage tank which was closed in place at this facility.

Recommendations

E & K Hazardous Waste Services, Inc. recommends that due to the fact that low levels of ethyl alcohol was detected in the soil and ethyl alcohol is easily degraded by microbial activity, no additional remedial activity is recommended at this site.

APPENDIX 1

City of Manitowoc and USDA Soils Maps



MANITOWOC


N

GENERAL SOIL MAP

SOIL LEGEND

- AREAS DOMINATED BY SOILS THAT FORMED IN GLACIAL TILL**
- | | |
|---|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Kewaunee-Manawa-Poygan: Nearly level to sloping, well drained to poorly drained soils that have a dominantly clayey subsoil and substratum |
| 2 | Hortonville-Symco: Nearly level to moderately steep, well drained and somewhat poorly drained soils that are loamy throughout |
| 3 | Hochhelm-Larmartine-Mayville: Nearly level to moderately steep, well drained to somewhat poorly drained soils that are loamy throughout |



- ### AREAS DOMINATED BY SOILS THAT FORMED IN LACUSTRINE DEPOSITS

-  **Zurich-Mundelein-Briggsville:** Nearly level to sloping, well drained to somewhat poorly drained soils that have a loamy or clayey subsoil

- ### AREAS DOMINATED BY SOILS THAT FORMED IN GLACIAL DRIFT

- 6** Kewaunee-Boyer-Nichols: Gently sloping to steep, well drained and moderately well drained soils that are sandy, loamy, or clayey
- 7** Hochheim-Lutzke: Gently sloping to steep, well drained loamy soils

- AREAS DOMINATED BY SOILS THAT ARE UNDERLAIN BY OUTWASH DEPOSITS

-  **Wasepi-Plainfield-Boyer:** Nearly level to moderately steep, excessively drained to somewhat poorly drained, sandy and loamy soils
-  **Granby-Oakville-Tedrow:** Nearly level to sloping, well drained to poorly drained soils that are dominantly sandy throughout

- ### AREAS DOMINATED BY ORGANIC SOILS

- Houghton-Palms-Willetta: Nearly level, very poorly drained organic soils

- AREAS DOMINATED BY SOILS THAT ARE UNDERLAIN BY DOLOMITE

- Channahon—Whalan—Kolberg: Gently sloping and sloping, well drained loamy soils that have a dolomite substratum

Compiled 1978

SECTION TOWN			
6	5	4	3
7	8	9	10
18	17	16	15
19	20	21	22
30	29	28	27

APPENDIX 2

**Tank Closure Forms
&
D.I.L.H.R. Correspondence**

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

For Office Use Only:

Tank ID #

Information Required By Sec. 102.142, Wis. Stats.

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

This registration applies to a tank that is (check one):

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

Fire Department Providing Fire Coverage
Where Tank Located:

City of Manitowoc FD.

A. IDENTIFICATION: (Please Print)

1. Tank Site Name

Site Address

Site Telephone No.

Heresite Protective Coatings, Inc.

822 S 14th Street

(414) 684-6646

☒ City ☐ Village ☐ Town of:

State

Zip Code

County

Manitowoc

WI

54220

Manitowoc

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

Owner Mailing Address (mail sent here unless indicated otherwise in #3)

Same

Same

☐ 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)

5. Tank Capacity (gallons)

6. Tank Manufacturer's Name (if known)

Unknown

19,000

Unknown

B. 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): _____

C. 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 ☒ NoOverfill Protection Provided? ☐ Yes ☒ No If yes, identify type:Spill Containment? ☐ Yes ☒ NoTank 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)

D. 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 inspectablePiping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not RequiredApproval: 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 * Denatured Ethanol 14. ☐ Kerosene 15. ☐ Aviation

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

If Tank Closed, Give Date (mo/day/yr):

01-08-92

Has a site assessment been completed? (see reverse side for details)

☒ Yes ☐ No

If 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):

Indicate Whether:

X Thomas L. Fritzke

☒ Owner or ☐ Operator

Signature of Owner or Operator:

Date Signed:

X Thomas L. Fritzke

5-13-92

CHECKLIST FOR UNDERGROUND

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

**Complete one form for
each site closure.**

TANK CLOSURE

A. IDENTIFICATION: (Please Print)

1. Installation Name <u>HERESTIE PROTECTIVE COATINGS</u>			2. Owner Name <u>HERESTIE PROTECTIVE COATINGS</u>		
Installation Street Address <u>822 S 14TH ST</u>			Owner Street Address <u>822 S 14TH ST</u>		
<input checked="" type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input checked="" type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
<u>MANITOWOC</u>			<u>MANITOWOC</u>		
State <u>WI</u>	Zip Code	County <u>MANITOWOC</u>	State <u>WI</u>	Zip Code	County <u>MANITOWOC</u>
3. Closure Company Name <u>ELK HAZARDOUS WASTE SERVICES</u>			Closure Company Street Address, City, State, Zip Code <u>2905 PAINE AVE SHERBOURNE WI 53081</u>		
Company Telephone No. (include area code) <u>(914) 458-6030</u>			Certified Remover Name <u>1</u>		Remover Certification No.
4. Name of Company Performing Closure Assessment <u>ELK HAZARDOUS WASTE SERVICES</u>			Assessment Company Street Address, City, State, Zip Code <u>2905 PAINE AVE SHERBOURNE WI</u>		
Company Telephone No. (include area code) <u>(914) 458-6030</u>			Certified Assessor Name <u>DAVID GILBERTSON</u>		Assessor Certification No.

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		13	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> 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) ALCOHOL; 14-Kerosene; 15-Aviation.

Notification was provided to the local authorities 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.

B. TEMPORARILY OUT OF SERVICE

	Remover Verified	Inspector Verified	NA
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
b. All product removed to bottom of suction line, OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
c. All product removed to within 1" of bottom.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
4. Dispensers/pumps left in place but locked and power disconnected.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
5. Vent lines left open.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
6. Written inspector approval of temporary closure obtained, which is effective until _____ (Date)	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
7. Inventory form filed by owner indicating temporary closure.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>

C. CLOSURE BY REMOVAL

1. Product from piping drained into tank (or other container).	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Piping disconnected from tank and capped or removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.			
7. Vent lines left connected until tanks purged.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
8. Tank openings temporarily plugged so vapors exit through vent.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
9. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
10. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>

C. CLOSURE BY REMOVAL (continued)

- | | Remover
Verified | Inspector
Verified | NA |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|--------------------------|
| 12. Tank labeled in 2" high letters after removal but before being moved from site. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE;
FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE. | | | |
| 13. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site. | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal. | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Site security is provided while the excavation is open. | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |

D. CLOSURE IN PLACE

**NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR APPROVAL
OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS.**

- | | | | |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|-------------------------------------|
| 1. Product from piping drained into tank (or other container). | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Piping disconnected from tank and capped or removed. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. All liquid and residue removed from tank using explosion proof pumps or hand pumps. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. All pump motors and suction hoses bonded to tank or otherwise grounded. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH
THE USE OF AN EDUCTOR. | | | |
| 6. Vent lines left connected until tanks purged. | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Tank openings temporarily plugged so vapors exit through vent. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - <u>see Section F.</u> | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Openings cut in tank top if necessary to introduce inert material. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Solid inert material (<u>sand</u> cyclone boiler slag, pea gravel recommended) introduced and tank filled. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Vent line disconnected or removed. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|--------------------------|
| 1. Individual conducting the assessment has a closure assessment plan (written) which
is used as the basis for their work on the site. | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Do points of obvious contamination exist? | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Are there strong odors in the soils? | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Was a field screening instrument used to pre-screen soil sample locations? | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Was a closure assessment omitted because of obvious contamination? | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Was the DNR notified of suspected or obvious contamination? | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> | <input type="checkbox"/> |
| Agency and office contacted: _____ | | | |
| 7. Contamination suspected because of: <input type="checkbox"/> Odor <input type="checkbox"/> Soil Staining <input type="checkbox"/> Free Product <input type="checkbox"/> Sheen On Groundwater <input type="checkbox"/> Field Instrument Test | | | |

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☒ Educator Or Diffused Air Blower

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.

Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice

Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT**

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.

Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

Tank atmosphere monitored for flammable or combustible vapor levels.

☒ Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW**I. INSPECTOR INFORMATION**

Inspector Name (print) _____

Inspector Signature _____

Inspector Certification No. _____

FDID # For Location Where Inspection Performed _____

Inspector Telephone Number _____

Date Signed _____

Closed
9-28-94I.D. # 426District: LMA County: 36
Site Name: Herzits Protective Coatings Inc.
Address: 822 S. 14th Street
Legal Municipality: ManitowishCase No.: _____ PMN: _____
FID: _____
Proj. Mgr: E. SYSTEM
Support Person: _____
Legal Desc: SW 1/4 NE 1/4 Sec 30, T 18N R 24E
Lat: N _____ Long: W _____Date of Discovery: 04 / 13 / 93

Date of RP Contact: _____ / _____ / _____

PRIORITY SCREENING:

- ☐
- 1 = High
-
- ☐
- 3 = Low
-
- ☒
- 4 = Unknown

PRE-SCORE

FUNDING SOURCE:

- ☒
- 1 = RP
-
- ☐
- 2 = LTF
-
- ☐
- 3 = EF
-
- ☐
- 4 = SF
-
- ☐
- 5 = None
-
- ☐
- 6 = Other (Describe in Comments)
-
- ☐
- 7 = EPA Emergency Resp.

ENFORCEMENT AUTHORITY:

- ☒
- 1 = Spill Law s. 144.76, Wis. Stats.
-
- ☐
- 2 = Envir Repair Law s. 144.442, Wis. Stats.
-
- ☐
- 3 = Hazardous Waste Rules NR 600 Series
-
- ☐
- 4 = Solid Waste Rules NR 500 Series
-
- ☐
- 5 = CERCLA
-
- ☐
- 6 = Abandoned Container s. 144.77, Wis. Stat.
-
- ☐
- 7 = Other (Describe in Comments)

PROGRAMS INVOLVED: (L - LEAD S - SUPPORT)

- ☐
- Aban Containers
- ☐
- NR 500 Solid Waste
- ☐
- Water Supply
-
- ☐
- Lust
- ☒
- Spills
- ☐
- Water Resources Mgt
-
- ☐
- NR 600 Hazardous Waste
- ☐
- Superfund
- ☐
- Env. Repair

RESPONSIBLE PARTY:

Business Name: Herzits Protective Coatings
Owner/Mgr.: D. Edward Blab
Address: 822 S. 14th Street
Manitowish WI 54220
Phone: 914 / 684-6616
Contact Person: _____Business Name: _____
Owner/Mgr.: _____
Address: _____
Phone: _____ / _____
Contact Person: _____

KNOWN IMPACTS (X)

POTENTIAL IMPACTS (X)

No Threat

- Fire/Explosion threat (1)
-
- Contaminated Private Well (2)
-
- Contaminated Public Well (3)
-
- Groundwater Contamination (4)
-
- Soil Contamination (5)
-
- Direct Contact (10)
-
- Contaminated Surface Water (7)
-
- Contaminated Air (8)
-
- Other (6)

P
X

CONSULTANT INFORMATION:

Company: E4K
Contact Person: Dean Kelley
Address: 2905 DANE AVE
Shubong WI 53081
Phone: 414 / 453-6030
(List additional on separate sheet & attach.)Company: _____
Contact Person: _____
Address: _____
Phone: _____ / _____XFER
FROM
LUSTPO BOX
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