Closure Assessment
Underground Storage Tank Abandonment

Standby Generator Diesel Tank #22

Kohler Company
Kohler, Wisconsin

Job No. 11094E

PREPARED FOR:

Kohler Company
444 Highland Drive
Kohler, WI 53044
Telephone (414) 457-4441
FAX (414) 459-1607

PREPARED BY:

Miller Engineers & Scientists
5308 South Twelfth Street
Sheboygan, WI 53081
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March 26, 1993

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March 26, 1993

11094E

Mr. J. Hoekstra
Plant Engineering
Kohler Company
444 Highland Drive
Kohler, WI 53044

Subject: **Closure Assessment–Underground Storage Tank Abandonment**
Standby Generator Diesel Tank #22
Kohler Company
444 Highland Drive
Kohler, Wisconsin

Dear Mr. Hoekstra:

Enclosed are two copies of the *Closure Assessment–Underground Storage Tank Abandonment Report* for the above-mentioned site. The work described in this report has been completed per our November 15, 1991, agreement.

Copies of this report have been forwarded to Mr. Larry Lester of the Wisconsin Department of Natural Resources (WDNR)–Southeast District and the Department of Industry, Labor and Human Relations (DILHR)–Bureau of Petroleum Inspection and Fire Protection.

Miller Engineers & Scientists appreciates the opportunity to provide professional environmental engineering services to Kohler Company. If you have any questions or comments, your call or letter will receive our prompt response.

Sincerely,

MILLER ENGINEERS & SCIENTISTS

Tammy L. Kuehlmann, E.I.T.
Civil Engineer

John H. Sigwart, P.E.
Vice President

TLK/tdf

Enclosures

cc: Mr. Larry Lester, WDNR–Southeast District
DILHR–Bureau of Petroleum Inspection and Fire Protection

Table of Contents

I. INTRODUCTION

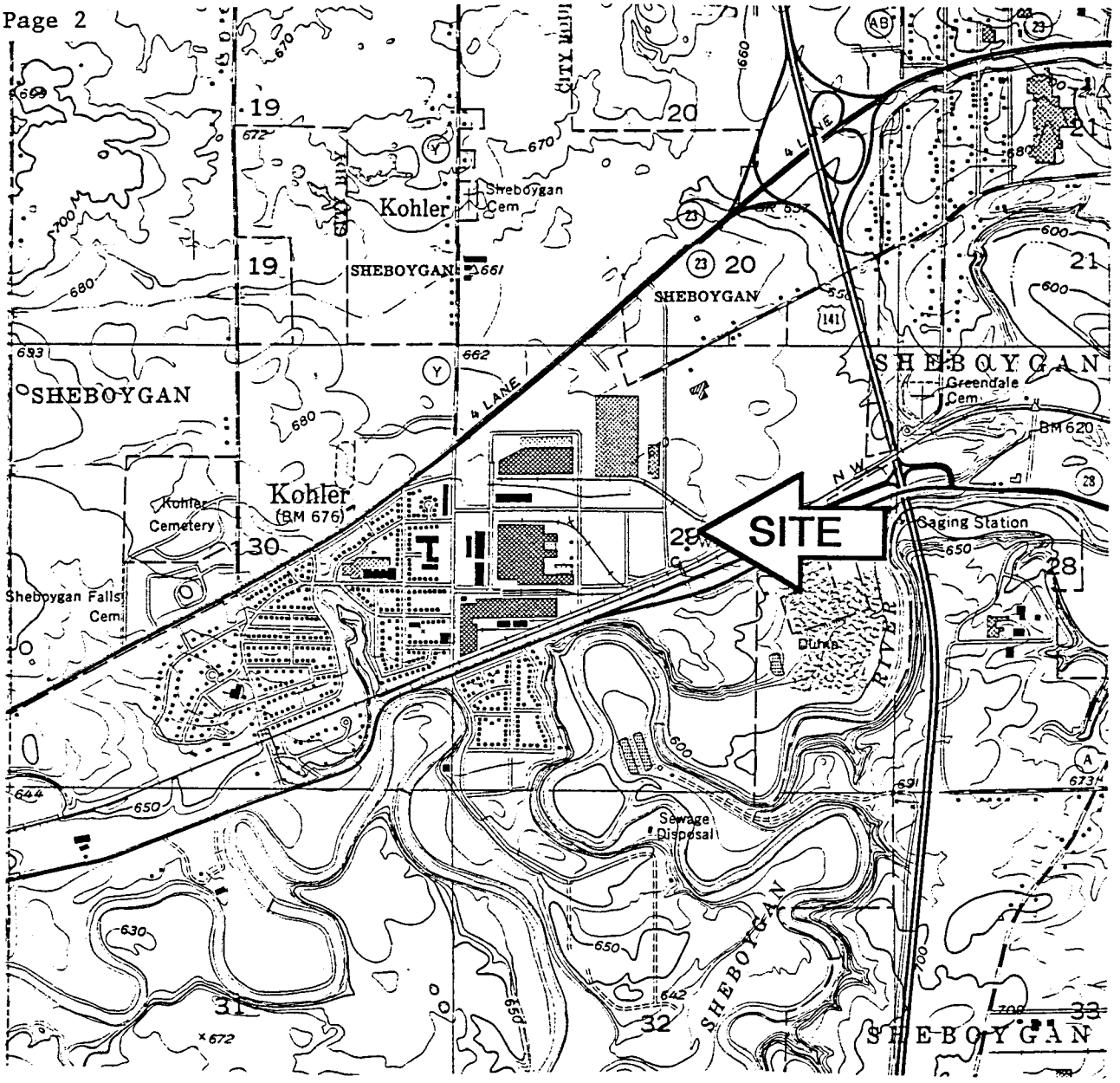
One underground storage tank (Kohler tank inventory #22) was abandoned by removal on November 21, 1991, at the Kohler Company, Kohler, Wisconsin (refer to Figure 1: *Site Location Map*). Petroleum Installation, Inc. (Green Bay) was the general contractor for the tank abandonment and provided tank cleaning. Buteyn Excavating and Grading (Sheboygan) provided excavating services. Lasch Steel and Recycling (Green Bay) disposed of the tank. Miller Engineers (Sheboygan) performed an assessment of subsurface conditions during the excavation and removal of the tank. A *Project Contact Information* sheet is included in the Appendix. This report summarizes our field activities and associated analyses.

II. BACKGROUND INFORMATION

The Kohler Company property is located on the north side of C.T.H. "PP" and occupies the NW 1/4 of Section 29, R23E, T15N, Sheboygan County, Wisconsin. The abandoned underground storage tank (Kohler's tank #22) was located in the SW 1/4 of the NW 1/4 of Section 29, on the east side of the property, north of the water towers and near the standby generator (refer to Figure 2: *Site Plan*).

The abandoned tank was approximately 14 years old and had a 560 gallon capacity. While in use, the tank contained diesel fuel for a standby generator.

On May 17, 1990, a suction pipe leak was detected at the diesel tank and was reported to the Wisconsin Department of Natural Resources (WDNR). At that time the tank was taken out of service.



HOWARDS GROVE QUADRANGLE
WISCONSIN - SHEBOYGAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 HOWARDS GROVE 15' QUADRANGLE

SHEBOYGAN FALLS QUADRANGLE
WISCONSIN - SHEBOYGAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 SHEBOYGAN FALLS 15' QUADRANGLE

—N—

QUADRANGLE LOCATION

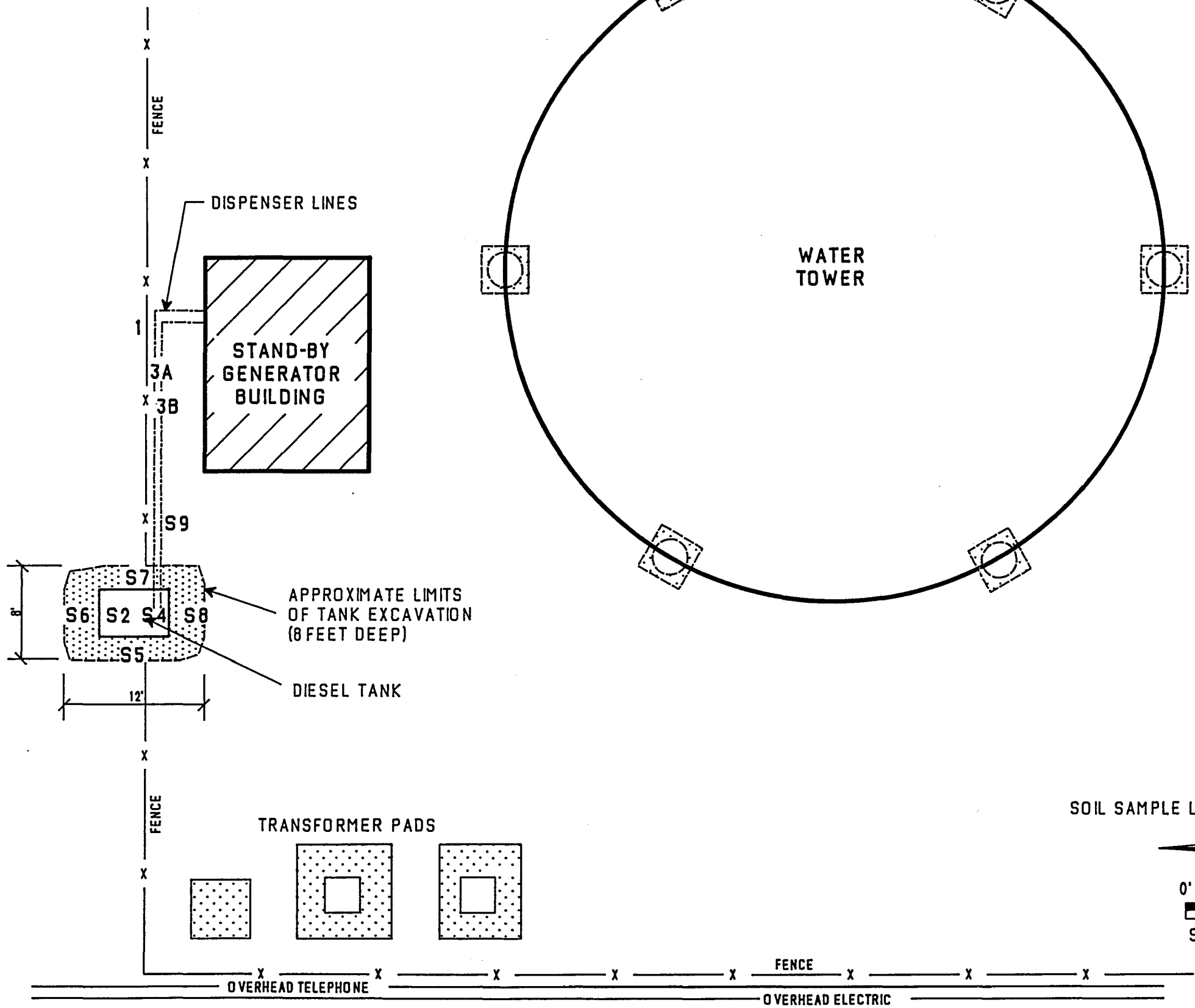
0' 1000' 2000'

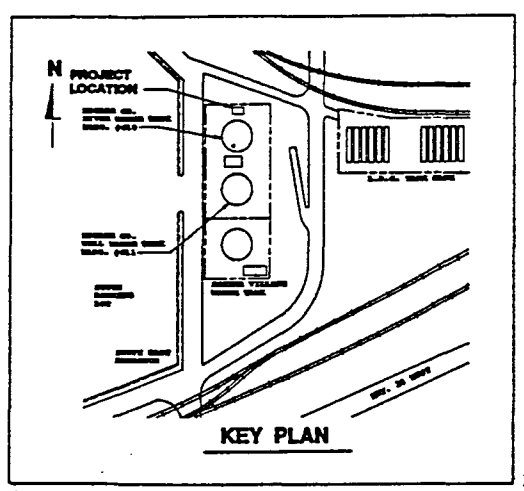
SCALE 1" = 2000'

	Date 1-15-92	By HVM	CLIENT: KOHLER COMPANY JOB: STAND-BY GENERATOR DIESEL TANK LOCATION: 444 HIGHLAND DRIVE KOHLER, WISCONSIN
	Job No. 11094E	Ck TLK	

MILLER
ENGINEERS

FIGURE 1. SITE LOCATION MAP





LEGEND

SOIL SAMPLE LOCATION, TYP. S1

N

0' 5' 10'

SCALE 1" = 10'

NOTE: ALL UTILITIES ARE APPROXIMATELY LOCATED.

Date	By
1-28-91	HVM
Job No. 11904E	Ck TLK

CLIENT: KOHLER COMPANY
JOB: STANDBY GENERATOR - R.I.
LOCATION: KOHLER, WISCONSIN

FIGURE 2. SITE PLAN

MILLER ENGINEERS

III. SITE CONDITIONS

On November 21, 1991, the diesel tank and associated piping were removed along with the surrounding soil. The tank had been installed in sand backfill with its bottom approximately 6 feet below grade. Both the tank and piping showed signs of slight corrosion, but no noticeable holes (refer to *Site Photographs* in the Appendix). Despite this, petroleum odor and discoloration were noted in the backfill around the tank.

Following tank removal, petroleum contaminated soils were over-excavated to the extent necessary. Field vapor readings and analytic test results of the soil samples collected from the excavation limits indicate that over-excavation was successful in removing the petroleum contaminated soil. Excavated soil was temporarily stored at the Kohler Company Facility in three tarp-covered roll-off boxes pending proper disposal. Ground water was not encountered in the excavation. The excavation walls showed that 6 inches of gravel paving was underlain with native lean red clay.

The final excavation dimensions were approximately 8 feet wide, 12 feet long, and 8 feet deep. Approximately 30 cubic yards of contaminated soil was excavated. Following collection of analytic test samples, the excavation was backfilled with clean soil, which had been previously stockpiled on site.

IV. HYDROCARBON VAPOR SENSING

Monitoring during the closure assessment included a vapor survey of contaminated soil that was removed as well as samples from native clay soil at the final limits of the excavation. Soil sample locations are illustrated in Figure 2. Sample depths, locations, and vapor readings are tabulated in the Appendix (*Soil Vapor Survey Results).*

Samples were collected by an environmental engineer and tested in the field with a photo-ionization meter (HNu Model HW-101 using a 10.2 eV lamp). A meter with an 11.7 eV lamp was not available at the time of tank removal. The results are reported as parts per million on a volume basis (ppmv) as benzene equivalent. The meter was calibrated November 21, 1991, with factory-supplied span gas. Weather conditions during the abandonment consisted of clear skies with temperatures around 50° F.

The vapor testing procedure consisted of placing individual soil samples in sealed containers and subsequently measuring the "headspace" (air space above each sample) for hydrocarbon concentration. Samples were warmed prior to headspace readings. A separate sample split was obtained, jarred, and placed in a cooler to be retained for analytic testing. Headspace analysis was repeated using an HNu meter (Model PI-101) with a 11.7 eV lamp after samples were returned to the laboratory to confirm field monitoring results. *Field Sampling Techniques and Vapor Monitoring of Soil* details are included in the Appendix.

Samples representing contaminated soil that was removed ranged from 5 to 26 ppmv. Samples collected from the walls and base of the excavation limits had field HNu readings at or below 2 ppmv.

V. ANALYTIC TEST RESULTS

Six soil samples representing the native clay subgrade at the final limits of excavation were delivered to Donohue & Associates (Sheboygan) for analytic testing. The samples were tested for Diesel Range Organic (DRO) compounds using the California Test Method, Petroleum Volatile Organic Compounds (PVOC), and Lead. In addition, one sample was tested for Polynuclear Aromatic Hydrocarbons (PAH). None of the samples had concentrations above the test method detection limit.

VI. CONTAMINATED SOIL DISPOSAL

Noticeably contaminated soil was excavated and temporarily stored at the Kohler Company Facility in three tarp-covered roll-off boxes. Composite soil sample was collected from the removed material to represent the disposed soil. This sample was analytically tested for GRO, DRO, TRPH, Benzene, Lead, Flashpoint, and Free Liquids. Based on the laboratory test results, the excavated soil is estimated to have the characteristics listed Table 1: *Excavated Soil Characterization.*

TABLE 1

Excavated Soil Characterization

GRO	<0.5 ppm
DRO	<10 ppm
TRPH	57.5 ppb
Benzene	<60 ppb
Flashpoint	>200° F
Total Solids	90.0%
Free Liquids	0%
Lead	0.09 ppm

In December 1992, approximately 30 cubic yards of petroleum contaminated soil was disposed of at Ridgeview Landfill, Whitelaw, Wisconsin.

VII. SUMMARY AND CONCLUSIONS

One diesel underground storage tank and its associated piping was abandoned by removal on November 21, 1991, in Kohler, Wisconsin. Following removal, petroleum odor and discoloration was observed in the sand backfill. Thirty cubic yards of petroleum contaminated soil was excavated and disposed at Ridgeview. Analytic test results from the limits of the excavation indicated that the WDNR closure requirements have been met.

VIII. CLOSURE

Miller Engineers & Scientists appreciates the opportunity to be of service to Kohler Company. This report was prepared for the exclusive use of our client. It was not prepared for uses or parties other than those specifically named or for uses or applications other than those enumerated herein. For purposes or uses other than those specifically named, this report may contain information which is insufficient or inaccurate.

If you have any questions or comments concerning this report, your call or letter will receive our prompt response.

Prepared by,

MILLER ENGINEERS & SCIENTISTS

Tammy L. Kuehlmann, E.I.T.
Civil Engineer

John H. Sigwart, P.E.
Vice President

TLK/tdf

KOHL094E.SAR (839)

Appendix

Project Contact Information	(White Sheet)
Soil Vapor Survey Results	(Green Sheet)
Field Sampling Techniques and Vapor Monitoring of Soil	(Goldenrod Sheet)
Qualifications of Professional Staff	(White Sheets)
Analytic Test Reports–Soil and Chain of Custody Record	(Tan Sheets) (Pink Sheet)
Waste Product Disposal Information	(Tan Sheets)
Tank Abandonment Forms ("Underground Petroleum Product Tank Inventory")	(Buff Sheets)
Site Photographs	(Colored Photos)

KOHL094E.APP (840)

Project Contact Information

Owner/Operator

Kohler Company
444 Highland Drive
Kohler, WI 53044
(414) 457-4441

Mr. J. Hoekstra

Consultant

Miller Engineers & Scientists
5308 South 12th Street
Sheboygan, WI 53081
(414) 458-6164
FAX (414) 458-0369

Ms. Tammy Kuehlmann

Tank Removal/Cleaning

Petroleum Installation, Inc.
1850 Velp Avenue
P. O. Box 10915
Green Bay, WI 54307
(414) 499-5404

Mr. Paul Berken

Excavator

Buteyn Excavating & Grading, Inc.
2838 Washington Avenue
Sheboygan, WI 53081
(414) 458-3721

Mr. Tom Buteyn

WDNR Contact

WDNR–Southeast District
2300 N. Dr. Martin Luther King, Jr. Drive
P. O. Box 12436
Milwaukee, WI 53212
(414) 263-8500

Mr. Larry Lester

Tank Disposal

Lasch Steel and Recycling
2112 Riverview Drive
Green Bay, WI 54303
(414) 434-3131

Soil Vapor Survey Results

Sample	Depth (feet)	Location	Soil Type	Field* HNu (ppmv)	Lab* HNu (ppmv)	TPH** DIESEL (ppm)
S1	0.5	Above dispenser piping (Area of reported spill) Backfill	SP	18	26	
S2	1.0	Composite sample above tank Backfill	SP	15	18	
S3A	1.0	Below dispenser piping	SP	0	5.2	
S3B	1.0	Below dispenser piping	SP	13	20	
S4	8.0	Below tank	CL	0	2	<7
S5	5.5	West wall	CL	0	1.6	<7
S6	5.5	North wall	CL	0	1.4	<7
S7	5.5	East wall	CL	0	1.8	<7
S8	5.5	South wall	CL	0	1.4	<7
S9	2.5	Below dispenser piping	CL	0	1.8	<7

* "Headspace" analysis of vapors in sealed containers with HNu meter (10.2 eV lamp in field; 11./7 eV lamp in laboratory) expressed on a volume basis as equivalent benzene.

** Analytic Test Results (refer to attached reports) for TPH--diesel (California Test Method). Test detection limit of 7 ppm.

Samples 1 through 3 represent petroleum contaminated soil that was excavated. Samples 4 through 9 represent the native clay subgrades at the final limits of excavation.

Field Sampling Techniques and Vapor Monitoring of Soil

PID's, FID's, and portable GC's may be used to screen soil samples for volatile organic vapors using the "headspace" method. The following procedures should be followed if field instruments are used for this purpose:

A. All field instruments must be "zeroed" in the field at the location the headspace analysis is performed.

B. If an analytic sample location is to be screened using a field instrument, two samples must be collected. The first sample must be collected, labeled, and cooled in accordance with laboratory and regulatory requirements for soil samples to be lab analyzed.

C. The second sample must be immediately placed in a clean quart mason jar or equivalent soil sampling jar obtained from an environmental laboratory. The sample jar should be filled halfway with soil. If you are not sure the jars are free of organic vapors before adding the soil, then first sample the atmosphere inside the jar with the field instrument prior to adding the soil.

D. Cover the mouth of the sample jar immediately with heavy duty aluminum foil and a tight-fitting cap. Agitate the sample to break up any clumps. If the sample does not break up into small particles, pierce the foil with a clean knife or other similar clean instrument to break up the sample. Cover the mouth of the sample jar with a second layer of foil to prevent unnecessary volatilization of the sample.

E. Allow the sample jar to stand for at least 15 minutes in a location above 60° F. out of direct sunlight.

F. Pierce the foil with the tip of the field instrument probe and insert the tip into the headspace above the soil sample, recording the highest reading obtained. Care should be taken to avoid touching the soil with the tip of the instrument.

G. Observe the manufacturer's operating procedures for the field instrument concerning maintenance, battery care, and calibration.

FLDSAMP.FRM (1660)(012793)

Derek W. Johnson, E.I.T.
Civil Engineer

Education:

B.S.	Civil and Environmental Engineering University of Wisconsin Madison, Wisconsin, 1991

Special Training:

40 Hour OSHA Hazardous Waste Worker Training
ILHR 10 Certified Site Assessor (Certification #02081)

Registration:

Engineer-In-Training—Wisconsin

Employment History:

1991–Present	Miller Engineers & Scientists Sheboygan, Wisconsin
1990 (Summer)	Mid State Associates Rhinelander, Wisconsin
1989–1990	Hooper Construction Corporation Madison, Wisconsin
1987–1988 (Summers)	Wisconsin Department of Transportation Madison and Rhinelander, Wisconsin

Areas of Specialty:

Civil/Environmental Engineering

Professional Affiliation:

American Society of Civil Engineers

Experience:

Mr. Johnson's experience includes resident engineering, construction staking, project management, design, and cost estimating for both public and privately owned facilities. Projects include underground storage tank assessments, remedial investigations, and design of in-situ remediation systems.

DWJ.RES (1444)

Tammy L. Kuehlmann, E.I.T.
Civil Engineer

Education:

B.S.	Civil Engineering University of Wisconsin Milwaukee, Wisconsin, 1990

Special Training:

40 Hour OSHA Hazardous Waste Site Worker Training
ILHR 10 Certified Site Assessor (Certification #03025)

Registration:

Engineer-In-Training–Wisconsin

Employment History:

1991–Present	Miller Engineers & Scientists Sheboygan, Wisconsin
1989–1990	University of Wisconsin Milwaukee, Wisconsin
1986–1990	Kohler Company Kohler, Wisconsin

Areas of Specialty:

Site Planning and Design
Structural Engineering
Storm Water Management Analysis

Professional Affiliation:

American Society of Civil Engineers

Experience:

Ms. Kuehlmann's experience includes utility and storm water management design and analysis and structural engineering. She also has project experience in underground storage tank closure assessments, remedial investigations, remedial action plans, and phase I and II environmental site assessments for acquisitions and real estate transfers.

TLK.RES (1455)

DONOHUE ANALYTICAL CERTIFICATE OF ANALYSIS

MR. DEREK JOHNSON
MILLER ENGINEERING
5308 S 12TH ST
SHEBOYGAN WI 53081

DATE REPORTED: 19-DEC-91
PROJECT NUMBER: 65204.003
RECV. GROUP NO: 97412
DATE RECEIVED: 21-NOV-91
TIME RECEIVED: 15:21
COOLER TEMP(C): N/A

CLIENT NAME: Miller Engineering
COLLECTED: 21-NOV-91 12:11 SAMPLER: Client P.O. NO: Per D. Johnson
SAMPLE NUMBER: 97412 MATRIX: SOIL DESCRIPTION: KohlerCo.-Standby Generator-S4

Temperature of sample is N/A. Sample was delivered in person.

ANALYTE NAME	RESULT	UNITS	RQ	ANALYZED	METHOD
Lead	21,600	ug/kg	TD	02-DEC-91	7420
Solids, Total	86.4	%		25-NOV-91	209A
TPH, Diesel	<7	mg/kg	DB	23-NOV-91	Cali Meth
1,2,4-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
1,3,5-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
Benzene	<0.03	mg/kg	DB	22-NOV-91	8020
Ethylbenzene	<0.02	mg/kg	DB	22-NOV-91	8020
Methyl tert-Butyl Ether	<0.04	mg/kg	DB	22-NOV-91	8020
Toluene	<0.04	mg/kg	DB	22-NOV-91	8020
Total Xylenes	<0.04	mg/kg	DB	22-NOV-91	8020

RQ Result Qualifier(s)
DB Results expressed as dry weight.
TD Result expressed as total on dry weight basis.

Analyses performed according to procedures approved by the United States Environmental Protection Agency. Certified by the Wisconsin Dept. of Natural Resources. ID # 460060920

Dirk Hudson - Lab Project Manager

Approved By 12.19.91 Date

Donohue
4738 North 40th Street
P.O. Box 1067
Sheboygan, Wisconsin 53082-1067
414.458.8711
Telefax 414.458.0537

DONOHUE ANALYTICAL CERTIFICATE OF ANALYSIS

MR. DEREK JOHNSON
MILLER ENGINEERING
5308 S 12TH ST
SHEBOYGAN WI 53081

DATE REPORTED: 19-DEC-91
PROJECT NUMBER: 65204.003
RECV. GROUP NO: 97412
DATE RECEIVED: 21-NOV-91
TIME RECEIVED: 15:21
COOLER TEMP(C): N/A

CLIENT NAME: Miller Engineering
COLLECTED: 21-NOV-91 12:11 SAMPLER: Client P.O. NO: Per D. Johnson
SAMPLE NUMBER: 97413 MATRIX: SOIL DESCRIPTION: KohlerCo.-Standby Generator-S5

Temperature of sample is N/A. Sample was delivered in person.

ANALYTE NAME	RESULT	UNITS	RQ	ANALYZED	METHOD
Lead	20,200	ug/kg	TD	02-DEC-91	7420
Solids, Total	87.4	%		25-NOV-91	209A
TPH, Diesel	<7	mg/kg	DB	23-NOV-91	Cali Meth
1,2,4-Trimethylbenzene	<0.04	mg/kg	DB	22-NOV-91	8020
1,3,5-Trimethylbenzene	<0.04	mg/kg	DB	22-NOV-91	8020
Benzene	<0.04	mg/kg	DB	22-NOV-91	8020
Ethylbenzene	<0.02	mg/kg	DB	22-NOV-91	8020
Methyl tert-Butyl Ether	<0.04	mg/kg	DB	22-NOV-91	8020
Toluene	<0.04	mg/kg	DB	22-NOV-91	8020
Total Xylenes	<0.05	mg/kg	DB	22-NOV-91	8020

RQ Result Qualifier(s)
DB Results expressed as dry weight.
TD Result expressed as total on dry weight basis.

Analyses performed according to procedures approved by the United States Environmental Protection Agency. Certified by the Wisconsin Dept. of Natural Resources. ID # 460060920

Dirk Hudson - Lab Project Manager

Approved By

12-19-91
Date

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DATE REPORTED: 19-DEC-91
PROJECT NUMBER: 65204.003
RECV. GROUP NO: 97412
DATE RECEIVED: 21-NOV-91
TIME RECEIVED: 15:21
COOLER TEMP(C): N/A

CLIENT NAME: Miller Engineering
COLLECTED: 21-NOV-91 12:11 SAMPLER: Client P.O. NO: Per D. Johnson
SAMPLE NUMBER: 97414 MATRIX: SOIL DESCRIPTION: KohlerCo.-Standby Generator-S6

Temperature of sample is N/A. Sample was delivered in person.

ANALYTE NAME	RESULT	UNITS	RQ	ANALYZED	METHOD
Lead	18,500	ug/kg	TD	02-DEC-91	7420
Solids, Total	87.3	%		25-NOV-91	209A
TPH, Diesel	<7	mg/kg	DB	23-NOV-91	Cali Meth
1,2,4-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
1,3,5-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
Benzene	<0.03	mg/kg	DB	22-NOV-91	8020
Ethylbenzene	<0.02	mg/kg	DB	22-NOV-91	8020
Methyl tert-Butyl Ether	<0.04	mg/kg	DB	22-NOV-91	8020
Toluene	<0.04	mg/kg	DB	22-NOV-91	8020
Total Xylenes	<0.04	mg/kg	DB	22-NOV-91	8020

RQ Result Qualifier(s)
DB Results expressed as dry weight.
TD Result expressed as total on dry weight basis.

Analyses performed according to procedures approved by the United States Environmental Protection Agency. Certified by the Wisconsin Dept. of Natural Resources. ID # 460060920

Dirk Hudson - Lab Project Manager

Approved By 12-19-91 Date

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DATE REPORTED: 19-DEC-91
PROJECT NUMBER: 65204.003
RECV. GROUP NO: 97412
DATE RECEIVED: 21-NOV-91
TIME RECEIVED: 15:21
COOLER TEMP(C): N/A

CLIENT NAME: Miller Engineering
COLLECTED: 21-NOV-91 12:11 SAMPLER: Client P.O. NO: Per D. Johnson
SAMPLE NUMBER: 97415 MATRIX: SOIL DESCRIPTION: KohlerCo.-Standby Generator-S7

Temperature of sample is N/A. Sample was delivered in person.

ANALYTE NAME	RESULT	UNITS	RQ	ANALYZED	METHOD
Lead	19,200	ug/kg	TD	02-DEC-91	7420
Solids, Total	88.3	%		25-NOV-91	209A
TPH, Diesel	<7	mg/kg	DB	23-NOV-91	Cali Meth
1,2,4-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
1,3,5-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
Benzene	<0.03	mg/kg	DB	22-NOV-91	8020
Ethylbenzene	<0.02	mg/kg	DB	22-NOV-91	8020
Methyl tert-Butyl Ether	<0.04	mg/kg	DB	22-NOV-91	8020
Toluene	<0.04	mg/kg	DB	22-NOV-91	8020
Total Xylenes	<0.05	mg/kg	DB	22-NOV-91	8020

RQ Result Qualifier(s)
DB Results expressed as dry weight.
TD Result expressed as total on dry weight basis.

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Dirk Hudson - Lab Project Manager

Approved By 12-19-91 Date

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DONOHUE ANALYTICAL CERTIFICATE OF ANALYSIS

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DATE REPORTED: 19-DEC-91
PROJECT NUMBER: 65204.003
RECV. GROUP NO: 97412
DATE RECEIVED: 21-NOV-91
TIME RECEIVED: 15:21
COOLER TEMP(C): N/A

CLIENT NAME: Miller Engineering
COLLECTED: 21-NOV-91 12:11 SAMPLER: Client P.O. NO: Per D. Johnson
SAMPLE NUMBER: 97416 MATRIX: SOIL DESCRIPTION: KohlerCo.-Standby Generator-S8

Temperature of sample is N/A. Sample was delivered in person.

ANALYTE NAME	RESULT	UNITS	RQ	ANALYZED	METHOD
Lead	19,200	ug/kg	TD	02-DEC-91	7420
Solids, Total	83.8	%		25-NOV-91	209A
TPH, Diesel	<7	mg/kg	DB	23-NOV-91	Cali Meth
1,2,4-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
1,3,5-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
Benzene	<0.03	mg/kg	DB	22-NOV-91	8020
Ethylbenzene	<0.02	mg/kg	DB	22-NOV-91	8020
Methyl tert-Butyl Ether	<0.04	mg/kg	DB	22-NOV-91	8020
Toluene	<0.04	mg/kg	DB	22-NOV-91	8020
Total Xylenes	<0.04	mg/kg	DB	22-NOV-91	8020

RQ Result Qualifier(s)
DB Results expressed as dry weight.
TD Result expressed as total on dry weight basis.

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Dirk Hudson - Lab Project Manager

Approved By 12-19-91 Date

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SHEBOYGAN WI 53081

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RECV. GROUP NO: 97412
DATE RECEIVED: 21-NOV-91
TIME RECEIVED: 15:21
COOLER TEMP(C): N/A

CLIENT NAME: Miller Engineering
COLLECTED: 21-NOV-91 12:11 SAMPLER: Client P.O. NO: Per D. Johnson
SAMPLE NUMBER: 97417 MATRIX: SOIL DESCRIPTION: KohlerCo.-Standby Generator-S9

Temperature of sample is N/A. Sample was delivered in person.

Di-n-butyl Phthalate found in Method Blank at 16 mg/l in extract. Sample conc. would be 800 ug/kg.

ANALYTE NAME	RESULT	UNITS	RQ	ANALYZED	METHOD
Lead	18,200	ug/kg	TD	02-DEC-91	7420
Solids, Total	86.7	%		25-NOV-91	209A
Acenaphthene	<200	ug/kg	DB	17-DEC-91	8270
Acenaphthylene	<300	ug/kg	DB	17-DEC-91	8270
Benzo(a)anthracene	<300	ug/kg	DB	17-DEC-91	8270
Benzo(a)pyrene	<200	ug/kg	DB	17-DEC-91	8270
Benzo(b)fluoranthene	<200	ug/kg	DB	17-DEC-91	8270
Benzo(g,h,i)perylene	<300	ug/kg	DB	17-DEC-91	8270
Benzo(k)fluoranthene	<200	ug/kg	DB	17-DEC-91	8270
Chrysene	<300	ug/kg	DB	17-DEC-91	8270
Dibenzo(a,h)anthracene	<200	ug/kg	DB	17-DEC-91	8270
Fluoranthene	<300	ug/kg	DB	17-DEC-91	8270
Fluorene	<200	ug/kg	DB	17-DEC-91	8270
Indeno(1,2,3-cd)pyrene	<200	ug/kg	DB	17-DEC-91	8270
Naphthalene	<300	ug/kg	DB	17-DEC-91	8270
Phenanthrene	<200	ug/kg	DB	17-DEC-91	8270
Pyrene	<200	ug/kg	DB	17-DEC-91	8270
TPH, Diesel	<7	mg/kg	DB	23-NOV-91	Cali Meth
1,2,4-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
1,3,5-Trimethylbenzene	<0.03	mg/kg	DB	22-NOV-91	8020
Benzene	<0.03	mg/kg	DB	22-NOV-91	8020
Ethylbenzene	<0.02	mg/kg	DB	22-NOV-91	8020
Methyl tert-Butyl Ether	<0.04	mg/kg	DB	22-NOV-91	8020
Toluene	<0.03	mg/kg	DB	22-NOV-91	8020
Total Xylenes	<0.04	mg/kg	DB	22-NOV-91	8020

RQ Result Qualifier(s)
DB Results expressed as dry weight.
TD Result expressed as total on dry weight basis.

Donohue
4738 North 40th Street
P.O. Box 1067
Sheboygan, Wisconsin 53082-1067
414.458.8711
Telefax 414.458.0537

DONOHUE ANALYTICAL CERTIFICATE OF ANALYSIS

COLLECTED: 21-NOV-91 12:11 SAMPLER: Client P.O. NO: Per D. Johnson

SAMPLE NUMBER: 97417 MATRIX: SOIL DESCRIPTION: KohlerCo.-Standby Generator-S9

Analyses performed according to procedures approved by the United States Environmental Protection Agency. Certified by the Wisconsin Dept. of Natural Resources. ID # 460060920

Dirk Hudson - Lab Project Manager

Approved By 12-19-91 Date

Donohue
4738 North 40th Street
P.O. Box 1067
Sheboygan, Wisconsin 53082-1067
414.458.8711
Telefax 414.458.0537

Donohue ENGINEERS ARCHITECTS SCIENTISTS

Chain of Custody Record

Check delivery method:
- [x] Samples delivered in person
- [ ] Donohue courier
- [ ] Common carrier
- [ ] Mail

Custody Seal #

Project Number	Project Name/Client
11904E	KOHLER CO. / STANDBY GENERATOR

Samplers: (Signature) Derek W Johnson

Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	Lab Sample Number	Container Number	DRO	RVOC	PAH	PCB	SULFUR	LEAD	X-Field Filtered	X-Soap. Hazard Mtrl.	Sample Type (Water, Soil) etc.	Sample Container
1	S4	11/20/91	AM	X			1	X	X				X			SOIL	1
2	S5	"	"	X			1	X	X				X			"	1
3	S6	"	"	X			1	X	X				X			"	1
4	S7	"	"	X			1	X	X				X			"	1
5	S8	"	"	X			1	X	X				X			"	1
6	S9	"	"	X			1	X	X	X			X			"	1
7	WC-1		PM		X		3	X	X	X	X	X	X			"	3
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Disposed of by: (Signature)	Items:	Date/Time
Derek W Johnson	11/21/91				
Relinquished by: (Signature)	Date/Time	Received by: (Signature) [Laboratory]	Disposed of by: (Signature)	Items:	Date/Time

Send Lab Results To:
MILLER ENGINEERS
5308 S. 12th ST.
SHEBOYGAN, WI 53081

Remarks:
C/O DEREK W. JOHNSON

WC-1 IS A COMPOSITE (STOCKPILE SAMPLE)

Laboratory Receiving Notes:

Custody Seal Intact?

Temp. of Shipping Container:

Sample Condition:

White Copy – Lab Yellow Copy – File Pink Copy – Client

M/F/Ruechel/Chain of Custody

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed of in compliance with NR 500-540, NR 158 and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules may lead to violations of subchapters III and IV of ch. 144, Wis. Stats. and may result in forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426(1), 144.74 (1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74 (2), Wis. Stats. Each day of a continuing violation constitutes a separate violation. Department approval of this form is required prior to site remediation, except for soils to be buried in landfills.

DIRECTIONS: 1) Complete part I. 2) Select the treatment option in part II. Pretreatment approval is required for any treatment other than landfill burial. Submit this form to the DNR project manager for approval. 3) If your treatment option is landfill burial, complete part III before submitting the ORIGINAL form to the project manager. 4) If soil will be used as cover at a landfill, first submit this form for approval and then, after part III has been completed, resubmit the ORIGINAL to the project manager. 4.91:2.2F

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: KOHLER COMPANY

Site I.D. # (for DNR use only):

Site Address: 444 Highland Drive

Contact Name: J. Hoekstra

City, State, Zip Code: Kohler, WI 53081

1/4, 1/4, Section, Township, and Range: SW¼, NW¼, Section 29., R23E, T15N

The information on this form is accurate to the best of my knowledge.
NOTE: Soil generators responsible for waste disposed of in landfills may incur future liability.

Signature of Soil Generator

Telephone Number (include area code): (414) 457-4441

Consulting Firm	Contact	Telephone Number
Miller Engineers	Tammy Kuehlmann	(414) 458-6164

Estimated Volume Contaminated Soil: 30 Tons/(cubic yards) (circle one)

Type of Petroleum Contamination (Circle):

Gasoline (Diesel Fuel) #2 Fuel Oil

Other _____

Soil Type (USCS)

___sand (SP, SW)
___silty/clayey sands (SM, SC)
___silt (ML, MH, OL)
_X_clay (Cl, CH, OH)
___gravel (GC, GM, GP, GW)
___peat (PT)

Distance to Nearest Residence/Business 10 ft.

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument *registers contamination* OR one laboratory analysis for each 100 yds³ when the field instrument *does not register contamination* on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum of 3 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 0 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 0 lbs

Total TPH as Diesel

ATTACH EMISSIONS CALCULATIONS

(a/1,000,000) x (2,800 lbs/yd^3) x b = benzene emission in lbs., where a = benzene concentration of soil sample in ppm or mg/kg dry weight basis, and b = amount of contaminated soil in yds^3. NOTE: This calculation can also be used to estimate TPH emissions by substituting TPH concentration (ppm or mg/kg) for "a". It may also be used to calculate VOCs.

COMPLETE ONLY THOSE SECTIONS OF PART II THAT PERTAIN TO YOUR SITE

Part II: Proposed method of treatment

1. SOIL VENTING/VACUUM EXTRACTION

Note: This option may require an air pollution control permit. An activated carbon unit or similar treatment system to strip VOCs fro the blower discharge will be required if emissions exceed limits established by Air Management. System design and monitoring information must be included.

Contact responsible for system maintenance.....

Telephone Number (include area code).....Anticipated start date.....

Total VOC discharge rate from Pilot testing or calculations _____ lbs/hr at _____scfm

Benzene Discharge Rate from Pilot testing or calculations _____lbs/hr at _____scfm _____Estimated Project Total

2. ANY METHOD OF REMEDIATION NOT LISTED IN PART II (NOTE: For thermal treatment, use Form 4400-149.)

Attach narrative and drawing(s) to describe the remediation method to be used. A final report is required. At a minimum, the information submitted should include the following applicable items:

a. proposed treatment method
b. location/size of remediation site
c. distance to nearest residence/business
d. field sampling methods
e. protective covering and curbing techniques
f. volume estimate and soil thickness needing remediation
g. method of turning/mixing soil
h. highest estimated hourly/daily VOC emissions
i. highest estimated daily/total benzene emissions
k. anticipated startup and completion dates
l. proposed verification method of contaminant content
m. project contact person
n. final destination of soil

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management _____ Date _____

Project Manager _____ Date _____

Comments:

3. DISPOSAL OF CONTAMINATED SOILS AT A SANITARY LANDFILL-NR 500

NOTE: Contaminant concentrations must meet Solid Waste guidelines and analytical results must be submitted within 30 days of disposal.

PLEASE COMPLETE PART III BELOW AFTER LANDFILL BURIAL IS COMPLETED.

THIS SECTION IS TO BE COMPLETED BY THE DISPOSAL FACILITY ACCEPTING THE CONTAMINATED SOIL

Part III

Transporter Name E&K Hauling Company, Inc. Transporter License Number #10573

Name of landfill Ridgeview Recycling & Disposal Facility, A div. of Waste Management of WI., Inc License No. #03041

Actual Volume of soil landfilled 29.13 Indicate yds^3 or tons ___ cover soil X buried

Date received at landfill 12/7/92 - 12/14/92 Accumulated Benzene emissions to date 0

Signature of landfill facility representative Marie Jaszewski 3-22-93

Marie Jaszewski, Customer Service Representative

CALCULATIONS FOR DISPOSAL OF CONTAMINATED SOIL

(For use with WDNR Form 4400-120)

SITE LOCATION: Kohler Company, Kohler, Wisconsin

CLIENT: Kohler Company

SOIL DISPOSED AT: Ridgeview Disposal Facility, Whitelaw, WI

MILLER ENGINEERS JOB #: 11094E

DATE 3/9/93 BY TLK
CHECKED 3/9/93 BY DWJ

BENZENE CALCULATIONS

Benzene concentration was nondetectable

$$\frac{0.00 \text{ mg benzene per kg of soil}}{1 \text{ lb} / 454000 \text{ mg}} \times \frac{360 \text{ tons soil}}{908 \text{ kg per ton}} = 0.00 \text{ lbs. benzene}$$

TPH (DRO) CALCULATIONS

DRO concentration based one sample was nondetectable

$$\frac{0 \text{ mg DRO per kg of soil}}{1 \text{ lb} / 454000 \text{ mg}} \times \frac{360 \text{ tons soil}}{908 \text{ kg per ton}} = 0 \text{ lbs. DRO}$$

MILLER
ENGINEERS

SPECIAL WASTE MANAGEMENT DECISION

RVW MW 16353
Waste Profile Sheet Code

I. Request For Decision: X Initial ___ Renewal

GENERATOR NAME: Kohler Company ADDRESS: CTH "LS"

CITY, STATE/PROVINCE: Sheboygan, WI 53083

WASTE NAME(S): Diesel fuel contaminated soil

PROPOSED MANAGEMENT FACILITY: Ridgeview RDF

PROPOSED INTERMEDIATE TRANSFER FACILITY: NA TRANSPORTER: E&K Hauling Company, INc.

WMNA REQUESTOR: Marie Jaszewski SIGNATURE: Marie Jaszewski

. TECHNICAL MANAGER DECISION: (circle one) APPROVED DISAPPROVED ___ Check if additional information is attached.

If Disapproved, Explain:

If Approved, Complete A, B, C and D Below:

A Management Method(s): LANDFILL (CODISPOSAL)

B Precautions, Conditions, or Limitations on Approval: Per the requirements of the site's special waste plan

Waste must be greater than 40% solids and contain 0% free liquids

C Decision Expiration Date: 3/1/93

D For Type A Wastes, Laboratory Analysis of a Representative Sample Was: (Check only one)

___ Waived ___ Supplied By Generator ✓ From a WMI-Approved Lab ___ From Both Generator and WMI-Approved Lab

TECH. MGR. SIGNATURE: Richard Hager NAME: (Print) Richard Hager DATE: 11/18/92

II. WMI MANAGEMENT FACILITY GENERAL MANAGER DECISION: (circle one) APPROVED DISAPPROVED

If Approved, State any Additional Precautions, Conditions or Limitations:

GENERAL MGR SIGNATURE: [signature] NAME: (Print) CHRISTIAN D. JOHNSON DATE: 11-23-92

IV. WMI INTERMEDIATE TRANSFER FACILITY GENERAL MANAGER DECISION: (circle one) APPROVED DISAPPROVED

If Approved, State any Additional Precautions, Conditions or Limitations:

(92-705)

GENERAL MGR SIGNATURE: ___ NAME: (Print) ___ DATE: ___

MIDWEST REGION
GENERATOR'S WASTE PROFILE SHEET

A 10

PLEASE PRINT IN INK OR TYPE

RECEIVED
NOV 12 1992
RIDGEVIEW R.D.F.

Waste Profile Sheet Code
RW MW 16353

Proposed Management Facility Ridgeview RDF

This form is to be used to comply with the requirements of a waste agreement.

INSTRUCTIONS FOR COMPLETING THIS FORM ARE ATTACHED

Decision Expiration Date: / /

A. WASTE GENERATOR INFORMATION

1. Generator Name: Kohler Co.
2. SIC Code: 3621
3. Facility Address (site of waste generation): County Trunk Highway "LS"
4. Generator City, State: Sheboygan, WI 53083
5. Zip/Postal Code: 53083
6. State ID #: NA
7. Technical Contact: Dan Tresp
8. Phone: (414) 457 - 4441

B. WASTE STREAM INFORMATION (See Instructions)

1. Name of Waste: Generator UST Soils - diesel cont.
2. Process Generating Waste: Diesel UST removal
3. Amount/Units: 30 cubic yards
4. Type A ☒ Type B ☐
5. Special Handling Instructions/Supplemental Information: None
6. Incidental Waste Types and Amounts: none

C. TRANSPORTATION INFORMATION

1. Method of Shipment: ☐ Bulk Liquid ☐ Bulk Sludge ☒ Bulk Solid ☐ Drum/Box ☐ Other
2. Supplemental Shipping Information: 3 shipments of Est. 10 yd³ each.

D. PHYSICAL CHARACTERISTICS OF WASTE (See Instructions) (Omit for Type B)

1. Color	2. Does the waste have a strong incidental odor?	3. Physical State @ 70°F/21°C:	4. Layers	5. Specific Gravity	6. Free Liquids:
Brown	☒ No ☐ Yes; if so, describe:	☒ Solid ☐ Semi-Solid ☐ Liquid ☐ Powder ☐ Other:	☐ Multi-layered ☐ Bi-layered ☒ Single Phased	Range 1.5 - 2.0	☐ Yes ☒ No Volume: %

7. pH: ☐ ≤2 ☐ > 2-4 ☐ 4-7 ☐ 7 ☒ 7-10 ☐ 10- <12.5 ☐ ≥12.5 ☐ Range ☐ NA
8. Flash Point: ☐ None ☐ <140°F/60°C ☐ 140 - 199°F/60 - 93°C ☒ ≥200°F/93°C ☒ Closed Cup ☐ Open Cup

E. CHEMICAL COMPOSITION (Omit for Type B)

	RANGE (MIN-MAX)
1. Clay Soils	0 - 99 %
diesel fuel	1 - 1 %
	- %
	- %
	- %
	- %
	- %
	- %
Total:	100 %

Min per T/L w/ Dan Tresp 11/13/92

The total composition must be greater than or equal to 100%. (.0001% = 1 ppm or 1 mg/l)

2. Does the waste contain any of the following? (provide concentration if known):

	NO	or	LESS THAN	or	ACTUAL
PCBs	☐		☒ < 50 ppm		____ ppm
Cyanides	☐		☒ < 50 ppm		____ ppm
Sulfides	☐		☒ < 50 ppm		____ ppm
Phenols	☐		☒ < 50 ppm		____ ppm

Printed on Recycled Paper

SEC DONOHUE
Environment & Infrastructure

CERTIFICATE OF ANALYSIS

MR. JOHN MULTER
KOHLER COMPANY
KOHLER WI 53044

DATE REPORTED: 24-SEP-92
PROJECT NUMBER: 65044.011
RECV. GROUP NO: 6297
DATE RECEIVED: 20-AUG-92
TIME RECEIVED: 15:15
COOLER TEMP(C): N/A

CLIENT NAME: Kohler Company
COLLECTED: 13-AUG-92 00:00 SAMPLER: Client P.O. NO: 1055929N13
SAMPLE NUMBER: 6297 MATRIX: SOIL DESCRIPTION: Standby Generator UST Soil

Sample was delivered in person.

TCLP results have been adjusted for matrix spike recovery.

TRPH analysis was done by Enviroscan Corp.

DRO Extraction holding time exceeded due to time of sample delivery.

ANALYTE NAME	RESULT	UNITS	SAMP DL	RQ	ANALYZED	METHOD
Solids, Total	90.0	%	No SDL		01-SEP-92	2540 G
Lead SPIKE	75	% Recov	No SDL		28-AUG-92	6010
Lead TCLP	0.09	mg/l	<0.05		28-AUG-92	6010
Diesel Range Organics (DRO)	<10	mg/kg	<10	DB	09-SEP-92	GRO/DRO
DRO Extraction	Done	-	No SDL	HE	21-AUG-92	GRO/DRO
Gasoline Range Organics (GRO)	<0.5	mg/kg	<0.5	DB	27-AUG-92	GRO/DRO
TRPH	57.5	ug/g	<3.3	DB	11-SEP-92	9073
Benzene	<60	ug/kg	<60	DB	27-AUG-92	8021
Flashpoint	>200	deg F	No SDL		02-SEP-92	1010
Free Liquids	0	%	No SDL		24-AUG-92	9095
TCLP EXTRACTION PROCEDURE	Done	-	No SDL		26-AUG-92	1311

No SDL - No Sample Detection Limit (SDL) available for this analyte.

RQ Result Qualifier(s)
DB Results expressed as dry weight.
HE Holding time exceeded.

Analyses performed according to procedures approved by the United States Environmental Protection Agency. Certified by the Wisconsin Dept. of Natural Resources. ID # 460060920

Michael Buettner - Lab Project Manager

MB — Approved By

9/24/92 — Date

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 1

To Lisa Esher	From Carole
Co. Kohler	Co. Donohue
Dept.	Phone #
Fax # 459-1682	Fax # 458-6125

in 53083 • (414) 458-8711 • Fax: (414) 458-6125

PETROLEUM INSTALLATIONS, INC.

(414) 499-5404 • 712 MEMORIAL DRIVE • P.O. BOX 12588 • FAX (414) 499-8048

GREEN BAY, WISCONSIN 54307-2588

January 8, 1992

Kohler Company
Attn: Mr. Jay Hoekstra
444 Highland Drive
Kohler, WI 53044

RE: Generator USTs #22 - REMOVAL, CLEANING & SCRAPPING

Dear Mr. Hoekstra:

On November 21, 1991, Petroleum Installations, Inc. removed, cleaned and rendered "gas-free" (1) 500 gallon underground storage tank. This UST was located at the Kohler Company in Kohler, Wisconsin.

After the UST was removed, cleaned and tested "gas-free", holes were cut in the UST with a cutting torch. This assured the "gas-free" status and rendered the UST useless for all but scrap. The UST was cut up and disposed of by Lasch Steel & Recycling, 2112 Riverview Drive, Green Bay, Wisconsin 54303.

Waste removed from the UST was placed in drums and turned over to Kohler Co. for proper disposal.

Sincerely,

Tom Schuster

TOM SCHUSTER

TS:clr

SLUDGE DISPOSAL FOR WATER TOWER TANK #22 – 560 GALLON DIESEL TANK

DRUM ID	DESCRIPTION	CLASSIFICATION	COMMENTS
2009	DIESEL SLUDGE – WATER TOWER	NON-HAZARDOUS	DISPOSAL ON HOLD – LIKE WASTES REQUIRED

SPEED LETTER® 44-902

Carbonless Snap-A-Way Forms

SPEED LETTER®

TO
J. Hoekstra - Kohler Co.
Kohler, WI 53044

FROM
Paul Berken
Petroleum Equip SVC
Green Bay, WI

SUBJECT ~~RE: TANK Disposal Receipts for the General~~
OLD NO. 9 or 10
MESSAGE plant + the water tower project.

Here are the disposal receipts for 1-560 Diesel fuel UST ~~tanks~~ and 2- 10,000 gal UST. If you have questions please feel free to call me any time.

Sincerely

DATE 12/2/9 SIGNED Paul D. Berken

REPLY

FOLD FOR NO. 9

FOLD FOR NO. 10

DATE SIGNED

RECIPIENT: RETAIN WHITE COPY, RETURN PINK COPY

SPEED LETTER® 44-902

Carbonless Snap-A-Way Forms

TO J. Hoekstra
Kohler, W

SUBJECT RE: TANK

MESSAGE plant +

Here ar
Diesel fuel
If you ha
call me ar

REPLY

Lasch Steel & Recycling (3)
2112 Riverview Drive
Phone 434-3131

Green Bay, Wis., 11-22 19 91

Name Petroleum Equ
Address Jeff Carver P.O. (2)
(05)

0 0 0 5 4 5 0 Tank

6 9 0 X 2 4

$13.80

DL

KOHLER CO. (WATER TOWER)
1-500 gal fuel oil tank

Moore® Speedigly® MCP® - Patented 228 NEW OFFICE SUPPLY CO., GREEN BAY, WI 54303

SPEED LETTER®

Ken
Equip SVC
y / wet
the General

for 1-560
gal ust
free to
cerely
. Baker

OLD FOR NO. 9

OLD FOR NO. 10

DATE _____ SIGNED _____

WilsonJones • Carbonless • MADE IN U.S.A.
44-902 Triplicate • © WilsonJones, 1989

RECIPIENT: RETAIN WHITE COPY, RETURN PINK COPY

E&K HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"
2905 PAINE AVE. P.O. BOX 1249
SHEBOYGAN, WI 53082-1249
PHONE 414-458-6030 FAX 414-452-7254

PAGE 1

DATE 12/20/92

INVOICE

NUMBER 15592

COMPLETE INVOICE

TO:

KOHLER COMPANY
10-56700-L-13 MAIN-HAZ
ATTN: ACCOUNTS PAYABLE

KOHLER WI 53044

CUSTOMER 28416

ORIGINAL

TERMS: 15 DAYS NET. Carrying Charge on overdue accounts at 1½% per month. This is an annual rate of 18% applied to the balance. Minimum overdue charge of 50¢.

DATE	DESCRIPTION					AMOUNT
	PROJECT 17621 PURCHASE ORDER 1056700L13					
	STANDBY GENERATOR SOIL TO RIDGEVIEW LANDFILL, WHITELAW, WISCONSIN					
12/07/92	CONTAINER LINER					50.00
	QUANTITY:	1.00	U/M: EACH	RATE:	$50.000	
	CONTAINER LINER					50.00
	QUANTITY:	1.00	U/M: EACH	RATE:	$50.000	
	DISPOSAL OF 12.46 TONS AT RIDGEVEIW LANDFILL					371.71
	QUANTITY:	12.46	U/M: TON	RATE:	$29.832	
	LOADING/UNLOADING TIME IN EXCESS OF 1 HOUR					60.00
	QUANTITY:	1.50	U/M: HOUR	RATE:	$40.000	
	TRANS. 1 LOAD; FROZEN; COULDN'T DUMP; LOAD BRT TO E&K					176.50
	QUANTITY:	1.00	U/M: LOAD	RATE:	$176.500	

Thank You!

IF NOT PAID VIA VOUCHER, PLEASE RETURN DUPLICATE COPY WITH YOUR PAYMENT.

E&K HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"
2905 PAINE AVE. P.O. BOX 1249
SHEBOYGAN, WI 53082-1249
PHONE 414-458-6030 FAX 414-452-7254

PAGE 2

DATE 12/20/92

INVOICE

NUMBER 15297

COMPLETE INVOICE

TO:

KOHLER COMPANY
10-56700-L-13 MAIN-HAZ
ATTN: ACCOUNTS PAYABLE

KOHLER WI 53044

CUSTOMER 28416

ORIGINAL

TERMS: 15 DAYS NET. Carrying Charge on overdue accounts at 1½% per month. This is an annual rate of 18% applied to the balance. Minimum overdue charge of 50¢.

DATE	DESCRIPTION	QUANTITY	U/M	RATE	AMOUNT
	TRANSPORT 12.46 TONS				176.50
	QUANTITY:	1.00	U/M: LOAD	RATE: $176.500	
	MANIFEST: 209096				
12/08/92	CONTAINER LINER				50.00
	QUANTITY:	1.00	U/M: EACH	RATE: $50.000	
	DISPOSAL OF 28.35 TONS AT RIDGEVIEW LANDFILL				845.74
	QUANTITY:	28.35	U/M: TON	RATE: $29.832	
	LOADING/UNLOADING TIME IN EXCESS OF 1 HOUR				120.00
	QUANTITY:	3.00	U/M: HOUR	RATE: $40.000	
	MANIFEST: 209267				
	TRANSPORT 15.30 TONS (LOAD PREVIOUSLY FROZEN; AT E&K)				176.50
	QUANTITY:	1.00	U/M: LOAD	RATE: $176.500	
	MANIFEST: 208205				
	TRANSPORT ~~13.05~~ TONS				176.50
	QUANTITY:	1.00	U/M: LOAD	RATE: $176.500	
	MANIFEST: 209267				

Thank You!

IF NOT PAID VIA VOUCHER, PLEASE RETURN DUPLICATE COPY WITH YOUR PAYMENT.

JAN 2 2 1993

E&K HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"
2905 PAINE AVE. P.O. BOX 1249
SHEBOYGAN, WI 53082-1249
PHONE 414-458-6030 FAX 414-452-7254

PAGE 3

DATE 1/20/93

INVOICE

NUMBER 165957

COMPLETE INVOICE

TO:

KOHLER COMPANY
10-56700-L-13 MAIN-HAZ
ATTN: ACCOUNTS PAYABLE

KOHLER WI 53044

CUSTOMER 28416

ORIGINAL

TERMS: 15 DAYS NET. Carrying Charge on overdue accounts at 1½% per month. This is an annual rate of 18% applied to the balance. Minimum overdue charge of 50¢.

DATE	DESCRIPTION					AMOUNT
12/14/92	CONTAINER LINER					50.00
	QUANTITY:	1.00	U/M: EACH	RATE:	$50.000	
	DISPOSAL OF 16.67 TONS AT RIDGEVIEW LANDFILL					532.31
	QUANTITY:	16.67	U/M: TON	RATE:	$31.932	
	TRANSPORT 16.67 TONS					176.50
	QUANTITY:	1.00	U/M: LOAD	RATE:	$176.500	
	MANIFEST: 209809					
	LOADING/UNLOAD. TIME IN EXCESS OF 1 HOUR (LOAD FROZEN)					40.00
	QUANTITY:	1.00	U/M: HOUR	RATE:	$40.000	
	TOTAL AMOUNT DUE					3,082.26

Thank You!

IF NOT PAID VIA VOUCHER, PLEASE RETURN DUPLICATE COPY WITH YOUR PAYMENT.

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-528(

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. 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.

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

Fire Department Providing Fire Coverage Where Tank Located:
VILLAGE OF KOHLER
59163

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: KOHLER CO. TANK #22
Site Address: 444 HIGHLAND DRIVE
Site Telephone No.: (414) 457-4441
☐ City ☒ Village KOHLER ☐ Town of:
State: WI | Zip Code: 53044 | County: SHEBOYGAN

2. Owner Name (mail sent here unless indicated otherwise in #3 below): KOHLER CO./J. HOEKSTRA
Owner Mailing Address (mail sent here unless indicated otherwise in #3): 444 HIGHLAND DRIVE
☐ City ☒ Village KOHLER ☐ Town of:
State: WI | Zip Code: 53044 | County: SHEBOYGAN

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): UNKNOWN
5. Tank Capacity (gallons): 560
6. Tank Manufacturer's Name (if known)

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): STANDBY GENERATOR

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
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☒ No
Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type:
Spill Containment? ☐ Yes ☐ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control an 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 Ste
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 tan
3. ☐ Suction piping with check valve at pump and inspectable

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

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

E. TANK CONTENTS
1. ☒ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * ____ ____ ____
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): REMOVED 11/21/91
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): KOHLER CO./J. HOEKSTRA
Indicate Whether: ☒ Owner or ☐ Operator

Signature of Owner or Operator: Martha J. Hoekstra
Date Signed: 1/8/92

KOHLER COMPANY UNDERGROUND STORAGE TANK INVENTORY

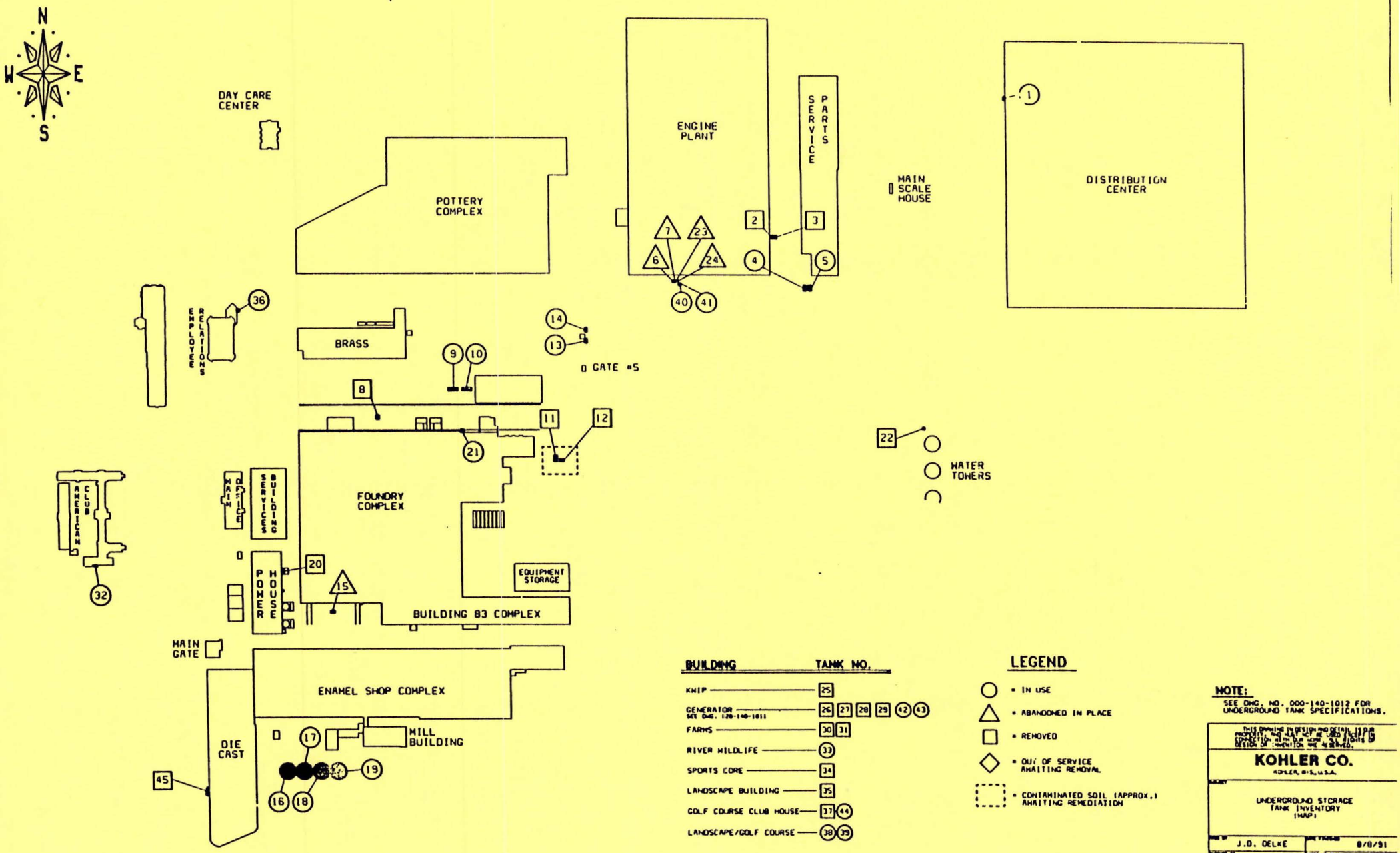
DATE PRINTED 06-Jan-92

UPDATED 03-Jan-92

TANK NO.	LOCATION	CAPACITY	PRODUCT	YEAR INSTALLED	STATUS	TYPE OF UST
1	DC	1000	DIESEL #2	1981	IN-USE	STANDBY GENERATOR
2	ENGINE PLANT	5000	BREAK-IN OIL	1977	REMOVED	PRODUCTION
3	ENGINE PLANT	5000	SOLVENT	1977	REMOVED	PRODUCTION
4	ENGINE PLANT W	15000	UNLEADED	1984	IN-USE	PRODUCTION TESTING
5	ENGINE PLANT E	15000	UNLEADED	1984	IN-USE	PRODUCTION TESTING
6	ENGINE PLANT W	1000	UNLEADED	1976	ABANDONED	PRODUCTION TESTING
7	ENGINE PLANT E	1000	UNLEAD SUMMER	1976	ABANDONED	PRODUCTION TESTING
8	OSBORN FNDRY	5000	TRIETHYLAMINE	1983	REMOVED	PRODUCTION
9	IRON FNDRY W	30000	DIESEL #2	1974	IN-USE	FUEL STATION
10	IRON FNDRY E	30000	DIESEL #2	1974	IN-USE	FUEL STATION
11	ACETYLENE HOUSE	1000	KEROSENE/LARD OIL	1952	REMOVED	PRODUCTION
12	ACETYLENE HOUSE	23000	KEROSENE	1960	REMOVED	PRODUCTION
13	GATE LODGE S	8000	UNLEADED	1968	IN-USE	FUEL STATION
14	GATE LODGE N	8000	LEADED	1968	IN-USE	FUEL STATION
15	BRASS STORES	1000	GASOLINE	1949	ABANDONED	FUEL STATION
16	MILL BUILDING	252000	FUEL OIL #6	1972	IN-USE	HEATING FUEL
17	MILL BUILDING	252000	FUEL OIL #6	1972	IN-USE	HEATING FUEL
18	MILL BUILDING	252000	FUEL OIL #6	1972	IN-USE	HEATING FUEL
19	MILL BUILDING	252000	FUEL OIL #6	1972	IN-USE	HEATING FUEL
20	POWER HOUSE	6325	FUEL OIL #6	1972	REMOVED	HEATING FUEL
21	FNDRY STAND-BY	1000	DIESEL #2	1974	IN-USE	STANDBY GENERATOR
22	WATER TOWER	560	DIESEL #2	UNKNOWN	REMOVED	STANDBY GENERATOR
23	ENGINE PLANT	300	UNLEADED	1964	ABANDONED	PRODUCTION TESTING
24	ENGINE PLANT	300	UNLEADED	1964	ABANDONED	PRODUCTION TESTING
25	KWIP	10000	FUEL OIL	1978	REMOVED	HEATING FUEL
26	GENERATOR W-S	1000	DIESEL #2	1975	REMOVED	PRODUCTION TESTING
27	GENERATOR W-N	10000	DIESEL #2	1975	REMOVED	PRODUCTION TESTING
28	GENERATOR N	10000	UNLEADED	1975	REMOVED	PRODUCTION TESTING
29	GENERATOR W	10000	UNLEADED	1975	REMOVED	PRODUCTION TESTING

30	KOHLER FARMS	550	UNLEADED	1960	REMOVED	PRODUCTION
31	KOHLER FARMS	550	DIESEL #2	1975	REMOVED	HEATING FUEL
32	AMERICAN CLUB	550	DIESEL #2	1981	IN-USE	STANDBY GENERATOR
33	RIVER WILDLIFE	1000	DIESEL #1	1978	IN-USE	STANDBY GENERATOR
34	SPORTS CORE	10000	DIESEL #2	1979	REMOVED	HEATING FUEL
35	CHURCH STREET	2000	DIESEL #2	UNKNOWN	REMOVED	HEATING FUEL
36	PERSONNEL MED.	1500	DIESEL #2	1980	IN-USE	STANDBY GENERATOR
37	CLUBHOUSE	550	UNLEADED	1987	REMOVED	FUEL STATION
38	LANDSCAPE/GC	1000	UNLEADED	1987	IN-USE	FUEL STATION
39	LANDSCAPE/GC	1000	DIESEL	1987	IN-USE	FUEL STATION
40	ENGINE PLANT W	1000	UNLEADED	1989	IN-USE	PRODUCTION TESTING
41	ENGINE PLANT E	1000	UNLEAD SUMMER	1989	IN-USE	PRODUCTION TESTING
42	GENERATOR W-N	10000	UNLEADED	1990	IN-USE	PRODUCTION TESTING
43	GENERATOR W-S	10000	DIESEL	1990	IN-USE	PRODUCTION TESTING
44	CLUBHOUSE	1000	UNLEADED	1989	IN-USE	FUEL STATION
45	DIE CAST	2000	DIESEL	UNKNOWN	REMOVED	PRODUCTION

ustall



BUILDING	TANK NO.
KNIP	25
GENERATOR SEE DWG. 120-140-1011	26 27 28 29 42 43
FARMS	30 31
RIVER WILDLIFE	33
SPORTS CORE	34
LANDSCAPE BUILDING	35
GOLF COURSE CLUB HOUSE	37 44
LANDSCAPE/GOLF COURSE	38 39

LEGEND

- ○ = IN USE
- △ = ABANDONED IN PLACE
- □ = REMOVED
- ◇ = OUT OF SERVICE AWAITING REMOVAL
- ⬚ = CONTAMINATED SOIL (APPROX.) AWAITING REMEDIATION

NOTE:
SEE DWG. NO. 000-140-1012 FOR UNDERGROUND TANK SPECIFICATIONS.

KOHLER CO.
KOHLER, WIS. U.S.A.

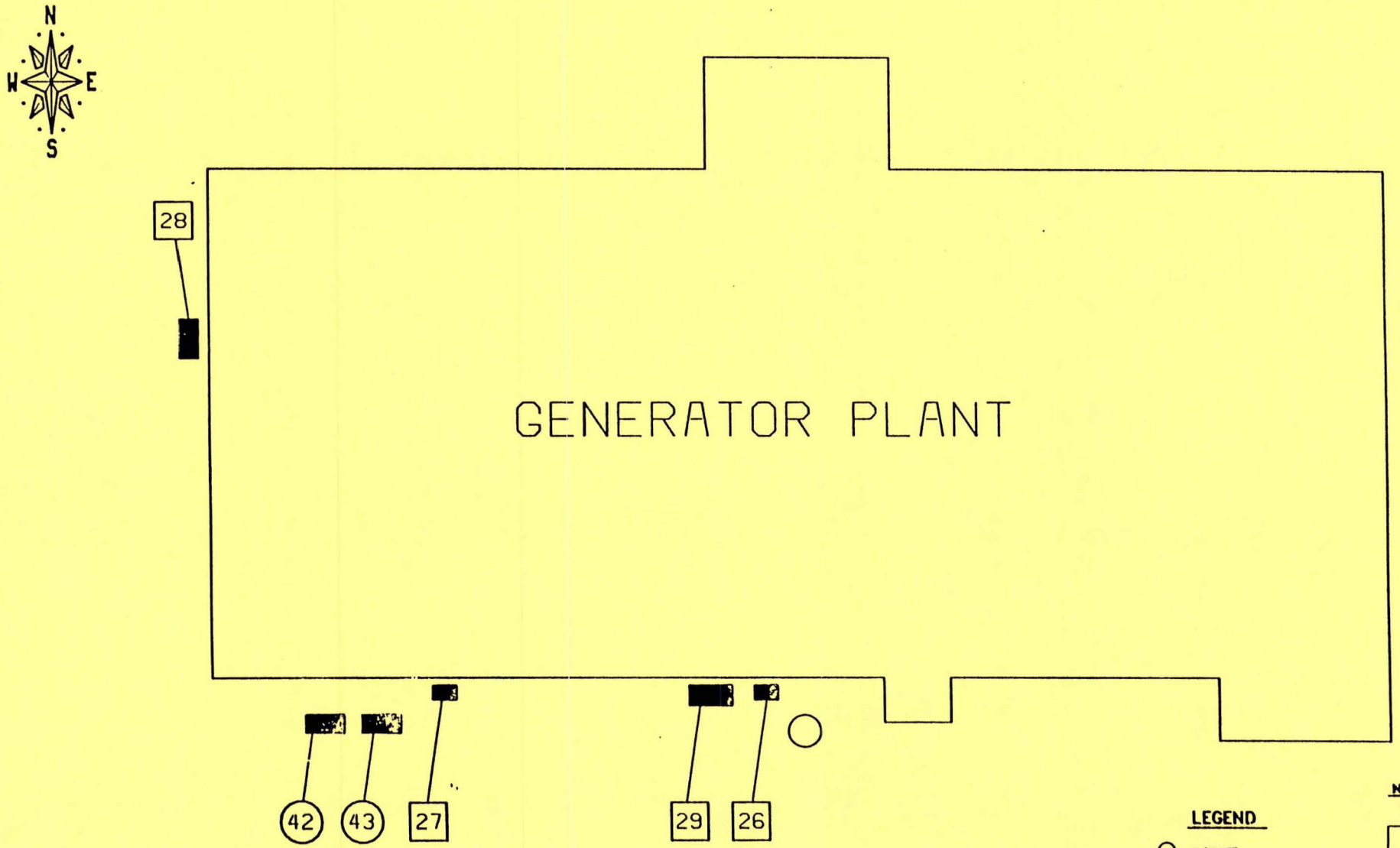
UNDERGROUND STORAGE TANK INVENTORY (MAP)

J.D. DELKE	8/8/91
	J. HOEKSTRA
90-45-0006	
NONE	Copyright 1991 / Kohler Co

000-140-1013 | A

NO MANUAL REVISIONS ARE TO BE MADE TO THIS DRAWING WITHOUT FIRST CONTACTING C.A.D. PERSONNEL.

ADM E0001401013
Auto-trol
PLANT ENGINEERING



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NOTE:
SEE DWG. NO. 000-140-1012 FOR UNDERGROUND TANK SPECIFICATIONS.

KOHLER CO.
KOHLER, WI. U.S.A.

UNDERGROUND STORAGE TANK INVENTORY (MAP)

J.D. DELKE	8/8/91
	J. HOEKSTRA
90-45-0006	
NONE	Copyright 1991 Kohler Co.

120-140-1012

NO MANUAL REVISIONS ARE TO BE MADE TO THIS DRAWING WITHOUT FIRST CONTACTING C.A.D. PERSONNEL.

AE# e1201401012
Auto-trol
PLANT ENGINEERING

Photo 1: The 560-gallon diesel fuel tank

Photo 2: Diesel fuel tank before disposal

Photo 3: Open excavation showing soil stratigraphy

Photo 4: The soil stockpile (before being covered) at the Kohler Company Generator Facility. The active soil stockpile in the background is from the North Tank Site.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 263-8483

June 24, 1991

File Ref:LUST/Sheboygan/L

Mr. Nathan Nissan
Environmental Engineering
Kohler Company
Kohler, Wisconsin 53044

Dear Mr. Nissan:

Re: Your June 14, 1991 Letter, Requesting Closure Review For the Underground Storage Tank (Formerly) Located On The West End of the Die Cast Building, Kohler Company, Kohler, Wisconsin

Based upon the information contained in your submittal, the Department will not require any additional site investigation or corrective action at this particular location. However, should an environmental problem associated with the former underground storage tank become apparent in the future, the Department will require specific actions to alleviate the situation.

For future Kohler Company submittals involving underground storage tanks, I have enclosed two items for your review. The enclosures discuss the documentation requirements that the Department has regarding tank closure assessments and site investigations/remedial actions. Additional Leaking Underground Storage Tank Program information may be obtained by calling Greg Parker at (DNR Madison Central Office) 608-267-3859.

I am returning the rough draft of your letter than was included in your submittal.

If you have any questions regarding the enclosures or this correspondence, I can be contacted by telephone at 414-263-8653. Thank you for your cooperation in this matter.

Sincerely,

Francis G. Fuja
Hydrogeologist
Environmental Repair Section

c: SED Casefile

FILE NOTE

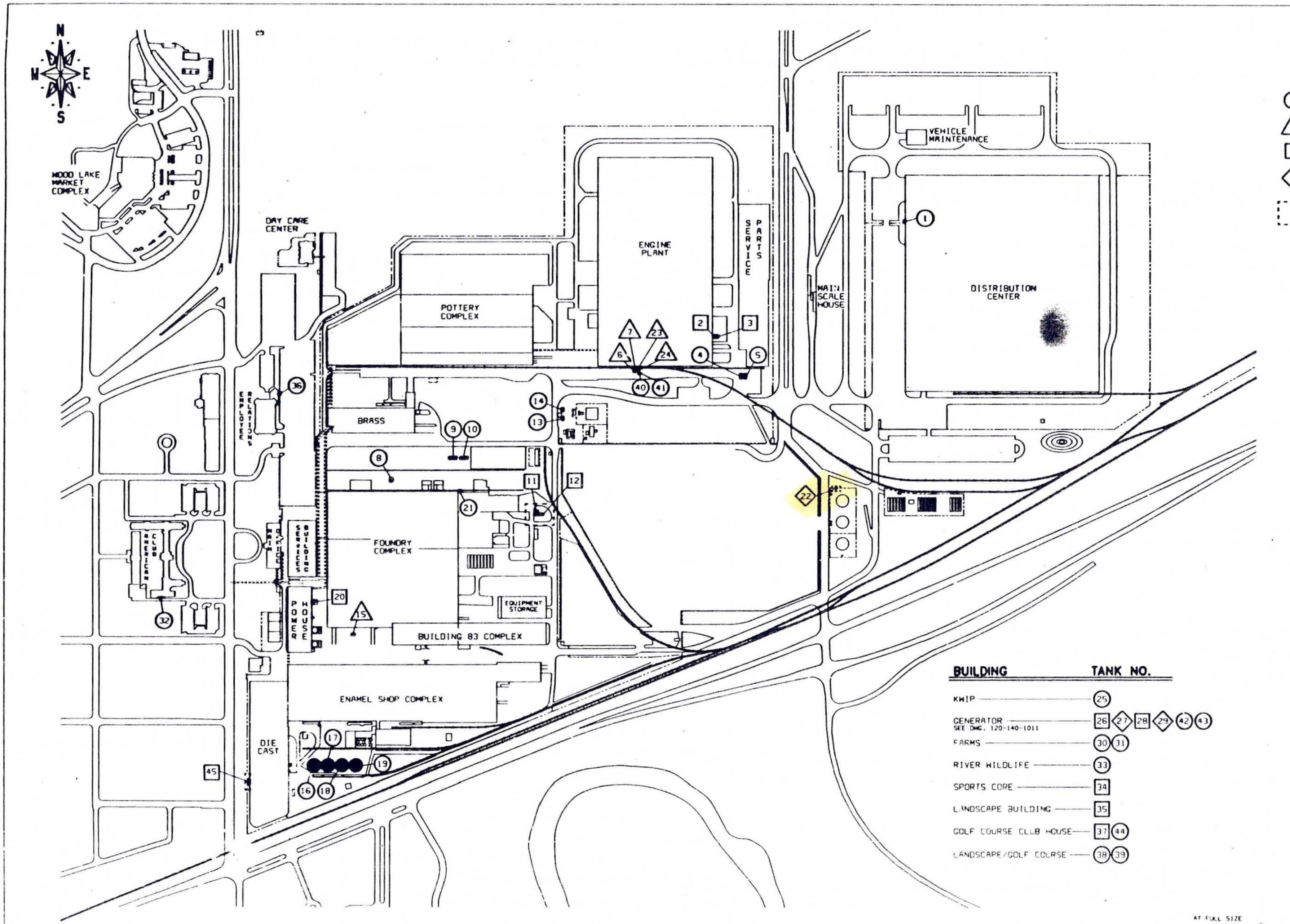
SITE NAME: Kohler Company Main Plant

FILE NUMBER: 460032870

WDNR PROJECT MANAGER: C. Hefferan Johnson

The Kohler Company Main Plant is under RCRA corrective action. All LUST investigation work and confirmatory sampling need to include full VOC scans for both soil and groundwater. Because of the RCRA action, all RAP approvals and site closures for LUST sites should be coordinated with Eric Syftestad, WDNR Hazardous Waste, Madison Central Office (SW/3). In order for the two programs to effectively cooperate in the cleanup effort, Eric should be made aware of each tank cleanup and the fact that the LUST program will not require further action at an individual location. All closure letters should avoid using the word "closure" and should include a statement such as: "This site is under RCRA corrective action and therefore that program may require investigation and remediation in addition to what has been done for this LUST response." Coordinate exact wording with Eric. Check RCRA file for information--some LUST sites are mentioned.

RFA



LEGEND

- ○ = IN USE
- △ = ABANDONED IN PLACE
- □ = REMOVED
- ◇ = OUT OF SERVICE AWAITING REMOVAL
- [dashed box] = CONTAMINATED SOIL (APPROX.) AWAITING REMEDIATION

BUILDING	TANK NO.
KWIP	○25
GENERATOR (SEE DWG. 120-140-1011)	□26 ◇27 □28 ◇29 ○42 ○43
FARMS	○30 ○31
RIVER WILDLIFE	○33
SPORTS CORE	□34
LANDSCAPE BUILDING	□35
GOLF COURSE CLUB HOUSE	□37 ○44
LANDSCAPE/GOLF COURSE	○38 ○39

NOTE:
SEE DWG. NO. 000-140-1012
UNDERGROUND TANK SPECIFIC

SCALE 1" = 200'
0 200 400

AT FULL SIZE
0 1 2 3 4
GRAPHIC SCALE IN INCHES

NO MANUAL REVISIONS ARE TO BE MADE TO THIS DRAWING WITHOUT FIRST CONTACTING C.A.D. PERSONNEL.

AD# E0001401011
Auto-trol
PLANT ENGINEERING

THIS DRAWING IN DESIGN AND DETA PROPERTY, AND MUST NOT BE USED CONNECTION WITH OUR WORK. ALL DESIGN OR INVENTION ARE RESERV

KOHLER CO
KOHLER, WIS. U.S.A.

SUBJECT: UNDERGROUND STORA TANK INVENTORY MAP

MADE BY: S.H.G.
CHECKED BY:
APPROVED BY:
CONTROL NO: 86-13-
SCALE: 1" = 200
DRAWING NO: 000-140-101

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 263-8483

October 9, 1990

File Ref:4400

Mr. Nathan Nissen
Kohler Company
Kohler, WI 53044

Re: Standby Generator Underground Storage Tank Site
Investigation at the Kohler Company, Kohler, Wisconsin

Dear Mr. Nissen:

This letter is in response to your previous letter to me, dated September 14, 1990.

As I have indicated to you in my letter to you, dated August 17, 1990, the emergency generator site at the Kohler Company has been assigned to a low priority ranking. As my letter further indicates, the Department does not require any type of approval for cases assigned to this priority.

I would like to suggest that every attempt be made to expedite the remedial action at your leaking underground storage sites. If the contamination is more extensive than what was expected, remedial action may become more difficult and more expensive to achieve.

Additional Department guidance for the Leaking Underground Storage Tank Program ~~has become~~ is available as of September 1990. You may want to contact Greg Parker (at the Madison Central Office, PH 608-267-3859) to obtain this information.

If you have any questions about this letter, contact me at PH 414-263-8653.

Sincerely,

Francis G. Fuja

Francis G. Fuja
Hydrogeologist, Enviromental Repair Section

cc: SED casefile

KOHLER CO. KOHLER, WISCONSIN 53044 PHONE 414 457-4441 TELEX 269558 FAX 414 457-1271

KOHLER

September 14, 1990

Dear Mr. Fuja:

On May 18, 1990, Kohler Company reported a leak at our Corporate Headquarters. Kohler Company Headquarters is located at 444 Highland Drive, Kohler, WI 53044. The underground storage tank in question is a 560 gallon diesel tank which supplies a standby generator. The tank is labeled #22 on the state inventory forms.

On August 17, 1990, you sent us a letter requesting the name of the firm directing the investigation and the date the remedial investigation will begin. Miller Consulting Engineers, located in Sheboygan, will be directing the investigation. A firm start date has not yet been established due to the project still being bid. We anticipate completion prior to Dec. 22, 1990.

Our plan is to perform the site investigation by excavation during the removal of the underground storage tank. Samples will be collected during the excavation and tested for TPH and BETX to confirm that the contaminated soil has been removed. Contaminated soil encountered during the investigation will be stock piled on site. The stock pile will be on asphalt, and will be surrounded on the top, bottom, and sides with visquene. On site treatment options are being evaluated. A separate proposal will be presented to describe the selected treatment option. An independent consultant will be selected to evaluate treatment options by October 10, 1990. I am requesting a letter from you stating that you agree with this plan.

If you have any questions or comments please contact me at (414) 457-4441 ext. 7447.

Sincerely,

Nathan Nissen
Env. Senior Project Engr.

Frank Fuja
Department of Natural Resources
Box 12436
Milwaukee, WI 53212
(414)-263-8483

cc: Don Becker
Brett Edgerle
Nathan Nissen
Ken Kaszubowski
Mark Voss
File

wtdnrltr.914

sent 8/17/90 FCF

State of Wisconsin \ **DEPARTMENT OF NATURAL RESOURCES**

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 263-8483

August 17, 1990

File Ref: 4440

Mr. Nathan Nissen
Kohler Company
444 Highland Drive
Kohler, WI 53044

Dear Mr. Nissen:

RE: Diesel Fuel Back-Up Generator Supply Line Rupture and Tank Removal at the Kohler Company, Kohler, Wisconsin

The Wisconsin Department of Natural Resources (WDNR) has been notified that petroleum contamination was discovered on May 17, 1990 at the above referenced location. Francis Fuja, the Leaking Underground Storage Tank (LUST) Project Manager for your area, may be reached at the above address or at (414) 263-8653. Based on the site specific information provided, this case has been assigned to the Low Priority Rank group. 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 action 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), Wisconsin Statutes, includes petroleum products.

> Wisconsin Statute 144.76(2a) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempted 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 this state."

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

1. Immediately notify your WDNR Project Manager, or the Spills Hotline at (414) 263-8491 should emergency conditions involving explosive vapors and/or well contamination develop.

2. Conduct an investigation to determine the extent of soil and groundwater contamination.

3. Remediate all of the environmental impacts caused by this situation.

The Department suggests that you have a qualified environmental engineer or hydrogeologist direct the remedial investigation, assess the environmental impact, and coordinate the implementation of a cleanup program. Within 30 days of receiving this letter, you should provide your WDNR Project Manager with the following information:

1. The name of the individual/firm directing the investigation.

2. The date the remedial investigation will begin.

Final documentation of the investigation and cleanup should be prepared according to the guidance enclosed and sent to this office on completion of compliance with all applicable federal, state and local laws and regulations. Remedial actions must adequately cleanup contaminated soil and/or groundwater to current WDNR guidelines and/or standards. All product, soil, wastewater, and sludge must be disposed of in compliance with all applicable federal, state and local laws and regulations. Because the Department is experiencing a backlog of leaking underground storage tank cases of emergency status and your case is not currently ranked as an emergency, your submittals will be reviewed as time permits. Investigation and cleanup should not, however, be delayed pending WDNR review of your case.

You are encouraged to contact the Department of Industry, Labor, and 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. If you have any questions, please contact your WDNR Project Manager.

Sincerely,

Francis G. Fuja

Francis G. Fuja
Hydrogeologist, Environmental Repair Section

Enclosures: Petroleum Tank Release Remedial Investigation Report
Application to Treat or Dispose of Petroleum Contaminated Soil
Information Sheets

c: SED Case File Aug90\2983\4

Department of Natural Resources

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146 Rev. 2-93

UID Number: 3647 **FID Number:** 460032870 **BRRTS Number:**

County: SHEBOYGAN
Site Name: KOHLER - MAIN PLANT TANK #22
Address: 444 HIGHLAND DRIVE
KOHLER, WI 53044
Municipality:
Legal Descript.: ___ 1/4 ___ 1/4 sec. ___ T ___ N R ___ (E/W)
Lat.: ___ Long.: ___

Initial Contact Date: 5/17/90
Date RPLetter Sent: 8/17/90
Date Closure Approved: 6/24/91

Person/Firm Reporting:
Phone Number: ( )

Priority Screening
___ 1 = High
___ 2 = Medium
X 3 = Low
___ 4 = Unknown

Scoring Criteria
1. ___
2. ___
3. ___
4. ___
5. ___

Score: ___ Init.: ___ Date: ___/___/___

Funding Source
___ 1 = RP
___ 2 = LTF
___ 3 = EF
___ 4 = Other

Effective Date
___/___/___
___/___/___
___/___/___
___/___/___

LUST Trust Eligible
___ 1 = Federal
___ 2 = Non-Federal

Case Status

	Start Date	End Date
___ (F) Free Product Removal	___/___/___	___/___/___
___ (E) RP Emergency Response	___/___/___	___/___/___
___ (R) LTF Emergency Response	___/___/___	___/___/___
___ (L) Long Term Monitoring	___/___/___	___/___/___

Responsible Party
Contact Person: GENE WONG
Company Name: KOHLER CO.
Address: KOHLER, WI 53044
Phone Number: (414) 457-4441
CC's:

Impacts
Enter "P" for potential and "K" for known
___ (1) Fire/Explosion Threat
___ (2) Contaminated Private Well(s) ___ # of Wells
___ (3) Contaminated Public Well
___ (4) Groundwater Contamination
K (5) Soil Contamination 30 cu yds disposed of at Ridgeview
___ (6) Other:
___ (7) Surface Water Impacts
___ (9) Floating Product

Consultant
Contact Name: TAMMY KUEHLHAND
Company Name:: CIVIL ENG
Address: 5308 S. 12th ST.
SHEBOYGAN WI 53081
Telephone: (414) 458-0369

Substances	# Tank(s)	Size
___ (1) Leaded Gas		
___ (2) Unleaded Gas		
X (3) Diesel	1	560 gal
___ (4) Fuel Oil		
___ (5) Unkwn Hydrocrbn		
___ (8) Other		
___ (12) Waste Oil		

Supplied a Standby generator

C[illegible] SU[illegible]Y

UID: ____________________ SITE NAME: ____________________

03 = **NTC of Non Compliance**	21 = **Contest Case Hearing**	34 = Tnk Cls/SA Rpt Appv'd	40 = **RA Work Plan Appv'd**	46 = Form 4 Denied
04 = **Enf. Conference**	23 = **Referral to DOJ**	35 = SI Work Plan Recv'd	41 = **RA Report Recv'd**	47 = PECFA Reimbursement
14 = **Notice of Violation**	30 = **Notice to Proceed**	36 = **SI Work Plan Appv'd**	42 = RA Report Appv'd	48 = **Free Product Recovery**
18 = **Admin.. Order Issued**	31 = Tnk Cls/SA Work Plan	37 = **SI Report Recv'd**	43 = **Qrtly/Mthly Status Rpt**	49 = **Alternate Water Supplied**
19 = Admin.. Order Modified	32 = Tnk Cls/SA WP Appv'd	38 = SI Report Appv'd	44 = Form 4 Received	
20 = Admin. Order Canceled	33 = Tnk Cls/SA Rpt Recv'd	39 = RA Work Plan Recv'd	45 = Form 4 Approved	

60 = ______	68 = ______	76 = ______	84 = ______	92 = ______
61 = ______	69 = ______	77 = ______	85 = ______	93 = ______
62 = ______	70 = ______	78 = ______	86 = ______	94 = ______
63 = ______	71 = ______	79 = ______	87 = ______	95 = ______
64 = ______	72 = ______	80 = ______	88 = ______	96 = ______
65 = ______	73 = ______	81 = ______	89 = ______	97 = ______
66 = ______	74 = ______	82 = ______	90 = ______	98 = ______
67 = ______	75 = ______	83 = ______	91 = ______	99 = ______

CASE STATUS UPDATES:

Action Code	Date Received/Sent	Compliance Due Date	Compliance Achieved	Date Entered In Tracking
43	3 / 29 / 95 (R/S)	Status Report	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
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