GROUNDWATER MONITORING DATA CERTIFICATION

The enclosed tape or diskette contains data for the following facility or facilities:

FID number	License	Facility name	Date of sample
241008240	01882	FALK CORPORATION LF	9/19/96

Please check one of the following:

[X] An exceedance notification and explanation *is attached.*
[ ] An exceedance notification *is not attached* because there are no exceedances to report.

I hereby certify that the above enclosed tape or diskette is accurately represented in the accompanying printout. To the best of my knowledge, the information reported and the statements made on this printout and tape or diskette are true and correct. *Furthermore, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Laurie Dunn
Signature

11/15/96
Date

APPLIED CHEMIST
Title

608/831-4444
Contact/Phone

1997 MAR 10 AM 10:25
DEPARTMENT OF NATURAL RESOURCES

**Please enclose two copies of this data certification for each license number listed above.

Milw. Co.
ERR/ERP
FID# 241008240

SOIL
REMEDIATION
SERVICE
INC.

Healing the Earth

October 4, 1994

Mr. Don Paulus
The Falk Corporation
P.O. Box 492
Milwaukee, WI 53201-0492

RE: The Falk Corporation

Dear Mr. Paulus:

Enclosed is the following paperwork for the above referenced project:

1. Completed form 4400-149, Application to Treat
2. Post treatment analytical results
3. Emission calculations.

Please contact me if you have any questions or need further information.

Sincerely,

Bonnie J. Schlabowske

Bonnie J. Schlabowske
President

Encl.
BJS/ddt

cc Margaret Graef
DNR

4820 North 125th Street • Butler, Wisconsin 53007
(414) 781-3545 • FAX (414) 781-9364

ATTACH EMISSIONS CALCULATIONS

(a/1,000,000) x (2,800 lbs/yd³) 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 yds³. 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.

Part II: Proposed Treatment Facility

Name of Plant: SOIL REMEDIATION SERVICE INC 4820 NO. 125TH ST. BUTLER WI 53007

Plant number and Model: THERMOTECH SRU-2

Contact: BONNIE SCHLABOWSKE 414/781-3545

DNR Facility I.D. No: 999-950-490

Address (or location of portable plant): WOOD CTY HWY DEPT - 2300 S. GAVIN ST MARSHFIELD WI 54449

Distance to Nearest Residence/Business: 300 FT

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management: Joseph E. Quick Date: 12-13-93

Project Manager: N/A Date:

Comments:

THIS SECTION TO BE COMPLETED BY THE ASPHALT/THERMAL UNIT PROCESSING THE CONTAMINATED SOI
AFTER PROCESSING IS COMPLETED

Part III

WDNR Air Pollution Control Permit Number: 91-RV-047

Actual Volume of Soil Treated (tons/cubic yards): 13.68

Date of transport to plant: 12/14/93

Date of treatment: 12/30/93-1/5/94

Transporter Name: United Commercial Transport

Transporter License Number: 12019

Circle One: Roasted and Incorporated (Roasted Only)

Total Benzene emissions in pounds for this batch (apply 50% destruction factor if no after burner is used): 0

Benzene emissions to date for this plant (including this batch) for this calendar year: 4.08

Signature of Treatment plant representative: Bonnie J. Schlabowske

Bonnie J. Schlabowske

Telephone Number at Plant: (414) 781-3545

POST BURN SAMPLE RESULTS: COMPLETE ONLY FOR SOILS NOT INCORPORATED!

(One representative sample for each 100 cubic yards-not composites)

See Attached Analyticals

Sample Number: _____ _____ _____ _____

TPH: _____ _____ _____ _____

DNR APPROVAL IS REQUIRED BEFORE USING AS COMMON FILL.

Date of backfilling or use as common fill:

Location of fill site: ____1/4____1/4____S____T__

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL
ASPHALT PLANT OR OTHER TYPE OF THERMAL TREATMENT UNIT

Form 4400-149

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 parts I and II. 2) Submit the application to the DNR project manager for approval. 3) Have the treatment facility complete part III of the approved form after the soil has been treated. 4) Return the ORIGINAL form to the DNR project manager. 5) Keep a copy for your files.

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: THE FALK CORPORATION - PLANT 2

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

Site Address: 12001 W. CAPITOL DRIVE

Contact Name: DONALD R. PAULUS

City, State, Zip Code: WAUWATOSA, WI 53222

1/4, 1/4, Section, Township, and Range:

The information on this form is accurate to the best of my knowledge.

Signature of Soil Generator: Donald R. Paulus

Telephone Number (include area code): 414-937-4372

Consulting Firm: RMT INC

Contact: WALT BRINKMANN

Telephone Number: 608 831 4444

Estimated Volume Contaminated Soil: 20 (Tons) cubic yards (circle one)

Type of Petroleum Contamination (Circle):

Gasoline Diesel Fuel/#2 Fuel Oil

Other CUTTING OIL (FOR METAL CUTTING MACHINERY)

Soil Type (USCS)

___ sand (SP, SW)
___ silty/clayey sands (SM, SC)
___ silt (ML, MH, OL)
✓ clay (Cl, CH, OH)
___ gravel (GC, GM, GP, GW)
___ peat (PT)

Distance to Nearest Residence/Business: ⅛ mi.

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* of 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 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 0.000044 lbs RECOVERABLE

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 201 lbs

Total TPH as _____

COMPUTATION SHEET

RMT INC.

SHEET _____ OF _____

744 Heartland Trail P.O. Box 8923 Madison, WI 53708-8923 (608) 831-4444 FAX: (608) 831-3334

PROJECT / PROPOSAL NAME	PREPARED		CHECKED		PROJECT/PROPOSAL NO.
FALK – PLANT No 2	By: WKB	Date: 12/8/93	By: KAL	Date: 12/8/93	102.35

CALCULATE QUANTITIES OF TRPH AND BENZENE IN SOIL TO BE DISPOSED

SOIL QUANTITY 20 TONS (EST.)

$$20\,T \times 2000\,lb/_{TON} \times \frac{KG}{2.205\,lb} \cong 18{,}141\,KG\ SOIL$$ ✓

TRPH IN SOIL – TAKE AVERAGE OF 2 SAMPLES FROM BORING B-2

$$\frac{61}{44}$$

$$\frac{105}{2} = \text{Say } 53\ mg/KG$$

$$53\,mg/_{KG} \times 18{,}141\,KG \times \frac{1\,g}{1000\,mg} = 961.5\,g \times \frac{lb}{453.6\,g} = 2.1\,lb$$ ✓

TRPH

BENZENE IN SOIL

1.1 µg/Kg FOUND IN METHOD 8021 SCAN OF SOIL SAMPLE

$$1.1 \times 18{,}141 \times \frac{1}{1{,}000{,}000} \times \frac{1}{453.6} = .00004\,\#\,lb$$ ✓

BENZENE

Benzene Calculations

Actual Emissions

Site: The Falk Corporation
12001 W. Capitol Drive
Wauwatosa, WI 53222

Job: Wood County Hwy Dept.
2300 S. Gavin St.
Marshfield, WI 54449

TOTAL BENZENE REMEDIATED:

Calculation: (a/1,000,000) x (2,800 lbs./cubic yard) x b = emissions in lbs.

Where: a = hydrocarbon contamination of soil sample in ppm or mg/kg dry weight basis

b = amount of contaminated soil in cubic yards.

a = ppm

b = cubic yards (actual volume of contaminated soil treated).

(1.1/1,000,000) x (2,800 lbs./cubic yard) x 13.68 cubic yards = .04 lbs. Benzene Remediated

EMISSION CALCULATION:

.04 lbs. Benzene x .02 (vapor destruct rate 98% in afterburner.) = 0 lbs. Benzene Emissions

DRO Calculations
Actual Emissions

Site: The Falk Corporation
12001 W. Capitol Drive
Wauwatosa, WI 53222

Job: Wood County Hwy Dept.
2300 S. Gavin St.
Marshfield, WI 54449

TOTAL DRO REMEDIATED:

Calculation: (a/1,000,000) x (2,800 lbs./cubic yard) x b = emissions in lbs.

Where: a = hydrocarbon contamination of soil sample in ppm or mg/kg dry weight basis

b = amount of contaminated soil in cubic yards.

a = ppm

b = cubic yards (actual volume of contaminated soil treated).

(53/1,000,000) x (2,800 lbs./cubic yard) x 13.68 cubic yards = 2.03 lbs. DRO Remediated

EMISSION CALCULATION:

2.03 lbs. DRO x .02 (vapor destruct rate 98% in afterburner.) = .04 lbs. DRO Emissions

Lab Test Sample Records

Job: The Falk Corporation

Sampling Requirements: Every 100 cubic yards.

Consultant: RMT, Inc.
Contact: Mr. Walt Brinkmann

Test Types: DRO and PVOC

Sample Number	Sample Every (Cubic Yards)	Sample Range in Tons
F-1	13.68	19.15

Actual Cubic Yds/Tons Treated

twin city testing
corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

REPORT OF: CHEMICAL ANALYSES

PROJECT: FALK CORPORATION **DATE:** January 5, 1994

REPORTED TO: Soil Remediation Service, Inc.
Attn: Ms. Bonnie Schlabowske
4820 North 125th Street
Butler, WI 53007

PROJECT NO: 8105-94-0103

INTRODUCTION

This report presents the results of the analyses of one sample received on December 30, 1993 and January 4, 1994, from Mr. Jeffery Weinkauf of Soil Remediation Service, Inc. The scope of our service was limited to the parameters listed in the attached tables.

METHODOLOGY

Analyses are performed according to Huntingdon - Twin City Testing Corporation (Huntingdon - TCT) Standard Operating Procedures. The procedures are based on the references stated in the analytical results tables.

RESULTS

The results are listed in the attached tables.

REMARKS

The sample was collected on December 30, 1993 and January 3, 1994. If samples are not consumed in the analysis, they will be held until their designated expiration date, and then disposed, unless written instructions to the contrary are received.

HUNTINGDON - TWIN CITY TESTING CORPORATION
Wisconsin Laboratory Certification #737105930

Dennis J Daigle

Dennis J. Daigle
Chemist

DJD/tcl

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555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

DIESEL RANGE ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED DRO

(All values are in mg/Kg which is equivalent to parts-per-million)
(All results are reported on a dry weight basis.)

Client Sample ID:	F-1	—	
LAB SAMPLE ID:	1676	Method Blank Q7AE9AE4	
Parameter:			Practical Quantitation Limit
Diesel Range Organics (par #78919)	ND	ND	10
Surrogate Recovery:			
Triacontane:	82%	89%	
Percent Moisture:	8.4%	N/A	
Date Collected:	1/3/94	N/A	
Date Received:	1/4/94	N/A	
Date Preserved:	1/4/94	N/A	
Date Extracted:	1/4/94	1/4/94	
Date Analyzed:	1/4/94	1/4/94	

ND = Not Detected

N/A = Not Applicable

BQL = Below Quantitation Limit

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.
Wisconsin Department of Natural Resources, PUBL-SW-141, July 1993.
Wisconsin Department of Natural Resources, PUBL-SW-142, April 1992.

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WAUSAU, WI 54402-1817
PHONE 715/845-4100

QUALITY CONTROL
DIESEL RANGE ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED DRO
(All values are in percent recovery)

LAB SAMPLE ID:	Spike Q7AF0CB1	Replicate Spike Q7AF180E	
Parameter Recovery:			WDNR Acceptance Criteria
Diesel Range Organics (par #78919)	96%	97%	80-120%
Surrogate Recovery:			
Triacontane:	104%	106%	
Date Extracted:	1/4/94	1/4/94	
Date Analyzed:	1/5/94	1/5/94	

N/A = Not Applicable

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-141, July 1993.

Wisconsin Department of Natural Resources, PUBL-SW-142, April 1992.

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555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

PROJECT NO: 8105-94-0103
DATE: January 5, 1994

PETROLEUM VOLATILE ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED GRO/EPA METHOD 8020
(All values are in mg/Kg which is equivalent to parts-per-million)
(All results are reported on a dry weight basis.)

Client Sample ID:	F-1	—	
LAB SAMPLE ID:	1676	Lab MeOH Blank Q7AE6859	
Parameter:			Practical Quantitation Limit
Methyl-tert-butyl ether	ND	ND	0.050
Benzene (par #78124)	ND	ND	0.050
Toluene (par #78131)	ND	ND	0.050
Ethyl Benzene (par #78113)	ND	ND	0.050
Total Xylenes (par #81551)	ND	ND	0.050
1,3,5-Trimethylbenzene (par #77226)	ND	ND	0.050
1,2,4-Trimethylbenzene (par #77222)	ND	ND	0.050
Surrogate Recovery:			
ααα-Trifluorotoluene (PID)	91%	92%	
Percent Moisture:	8.4%	N/A	
Date Collected:	12/30/93	N/A	
Date Received:	12/30/93	N/A	
Date Analyzed:	1/4/93	1/4/94	

N/A = Not Applicable
ND = Not Detected
BQL = Below Quantitation Limit

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.
Wisconsin Department of Natural Resources, PUBL-SW-140, July 1993.
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twin city testing
corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

QUALITY CONTROL
PETROLEUM VOLATILE
ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED GRO/EPA METHOD 8020
(All values are in percent recovery)

LAB SAMPLE ID:	Spike Q7AE3D0C	Replicate Spike Q7AE47BC	
Parameter Recovery:			WDNR Acceptance Criteria
Methyl-tert-butyl ether	95%	102%	80-120%
Benzene (par #78124)	102%	103%	80-120%
Toluene (par #78131)	96%	96%	80-120%
Ethyl Benzene (par #78113)	92%	93%	80-120%
Total Xylenes (par #81551)	93%	93%	80-120%
1,3,5-Trimethylbenzene (par #77226)	93%	93%	80-120%
1,2,4-Trimethylbenzene (par #77222)	93%	93%	80-120%
Surrogate Recovery:			
ααα-Trifluorotoluene (PID)	94%	94%	
Date Analyzed:	1/4/94	1/4/94	

N/A = Not Applicable

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-140, July 1993.

Wisconsin Department of Natural Resources, PUBL-SW-142, April 1992.

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8105-94-103

State of onsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151 11-91

425-7277

Note: This form is required by the Department of Natural Resources for leaking underground storage tank sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code.

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Jeff Weinkauf	Soil Remediation Service 4820 N 125th St. Butler, WI 53007	414-781-3545
Property Owner	**Property Address**	**Telephone Number (include area code)**
Falk Corporation	2300 S. Calvin St. Marshfield, WI 54449	715-384-9994

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

Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)
Jeffrey Weinkauf	12/30 4:00pm	RLAR

Temperature of temperature blank: Ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote [2])	Analysis Type	Lab ID Number	No./Type of Containers	Sample Condition: Cracked /Broken	Sample Condition: Improperly Sealed	Sample Condition: Good Condition	Sample Condition: Other Comments
E-1	12/30	3:00pm	soil		MeOH	Discharge E-1	DRO PVOC	1676 1	3 2oz			✓	No DRO Sample No PVOC Sample

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

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

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

State of onsin
Department of Natural Resources

8105 94-103

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151 11-91

Note: This form is required by the Department of Natural Resources for leaking underground storage tank sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code.

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Jeff Weinkauf	3:1 Remediation Service 4820 N 125th St. Butler WI 53007	414-781-3545
Property Owner	**Property Address**	**Telephone Number (include area code)**
Falk Corporation	2305 S. Galvin St. Marshfield WI 54449	715-384-9994

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

Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature) Jeffrey J. Weinkauf	Date/Time 1/3 5:00pm	Received for Laboratory By (Signature) DJ Daigle 1/4/94 08:10

Temperature of temperature blank: Ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote [2])	Analysis Type	Lab ID Number	No./Type of Containers	Sample Condition: Cracked /Broken	Sample Condition: Improperly Sealed	Sample Condition: Good Condition	Sample Condition: Other Comments
F-1	1/3	3:30pm	Soil		Dry weight	Discharge F-1	Dry weight	1676	1				
F-1	1/3	3:30pm	Soil		Ice	Discharge F-1	DRO	1					

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

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

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature