DD

Incident Number: 20012800012 **Site ID:**
Incident Name: Elmer's Asphalt Plant **Site Name:**
District: Cadillac **County:** Grand Traverse
Address: 3600 Rennie School Road

City: Traverse City
State: MI
Zipcode: 49694-
Received By: John Vanderhoof
Date Received: 05/31/2000
Peas Number:
Pm Assigned: John Vanderhoof
Status: no further response , 25 yards removed **Status Date:** 03/29/2001
Referred To: **Acute Hazard:** No
Response Type: site visit **Response Date:** 05/31/2000
Funding Source: Not Applicable

No sampling performed.

Incident as Reported

60 gallons of oil lost from a leak near the waste oil tanks used for the production of asphalt. Additional quanities was lost but contained inside of the cement containment.

Major Cross Streets
Directions to Release Area
Contact Information

Name: Russel Broad
Company: Elmer's Crane and Dozer
Address:

City:
State:
Zipcode: -
Work Phone: (231)943-5501 ext
Home Phone: ( ) - ext
Fax Number: ( ) -
E Mail:

Complainant Information

Name: Russel Broad Elmer's
Address: 3600 Rennie School Rd

City:
State:
Zipcode: -
Work Phone: ( ) - ext
Home Phone: ( ) - ext
Fax Number: ( ) -
E Mail:

File: Elmer's Grand Traverse

ITS Master Data Form

DD

Incident Number: 2000280258 **Site ID:**
Incident Name: Elmer's Ground Pine Trail spill **Site Name:**
District: Cadillac **County:** Grand Traverse
Address:
4580 Ground Pine Trail
City: Traverse City
State: MI
Zipcode: -
Received By: John Vanderhoof
Date Received: 06/22/2000
Peas Number: 414-00
Pm Assigned: John Vanderhoof
Status: no further response **Status Date:** 03/30/2001
Referred To: **Acute Hazard:** No
Response Type: **Response Date:** 06/22/2000
Funding Source:

Incident as Reported

Fuel oil leaked on the asphalt while coating a driveway.

Major Cross Streets

Off of Holiday Hills to Greenwood

Directions to Release Area

Contact Information

Name:
Company: Elmer's
Address: 3600 Rennie School Rd
City: Traverse City
State: MI
Zipcode: 49696-
Work Phone: (231)943-3443 ext
Home Phone: ( ) - ext
Fax Number: ( ) -
E Mail:

Complainant Information

Name: Sgt. Mark Henchell
Address:

City:
State:
Zipcode: -
Work Phone: ( ) - ext
Home Phone: (231)946-4646 ext
Fax Number: ( ) -
E Mail:

FERRIS STATE UNIVERSITY

ITS ✓

Tom Julien AQD

6/22/00

PEAS

7:30 pm Traverse – State Police 414-00

Sgt. Mark Henchell

231-946-4646

Contractor – Elmers ◆ Asphalt

Off of Holiday Hills & Greenwood

4580 Ground Pine

Coating a driveway

Fuel oil leaked –

– Chief – Hagan 231-620-5760

pager " 318-0122

Oil dry – boom – pigs

SWQD – Brian Meyers

Co ↵ ?

Called Elmers and left a msg on their emergency line @ 7:00

8:00 Left messages for Troy Broad and Butch Broad on their machines.

Brian Myers was under the impression that the work is being done.

> Left another message for Butch at Elmers owner?

Elmer's

1200 CABERFAE HIGHWAY
MANISTEE, MI 49660-9162
TELEPHONE: (231) 723-2538
FAX NUMBER: (231) 723-6189

An Equal Opportunity Employer

3600 RENNIE SCHOOL ROAD • P.O. BOX 6150
TRAVERSE CITY, MI 49696-6150
TELEPHONE: (231) 943-3443
FAX NUMBER: (231) 943-8975

July 7, 2000

JUL 10 2000

Mr. John Vanderhoof
Department of Environmental Quality
120 West Chapin
Cadillac, MI 49601

Re: Fuel Oil Spill on Job Site – 4580 Ground Pine Trail

Dear Mr. Vanderhoof:

On June 22, 2000, our company was working on a paving project located at 4580 Ground Pine Trail for Woodcraft Construction. While working on the project, our new Blaw Knox 4410 Model Paver had a fuel line that blew off the end fitting and spilled approximately three gallons of fuel oil onto the asphalt. We cleaned up the mess and dug the soil out where the fuel ran into. We excavated around the area and removed approximately ten cubic yards of material. We restored the area and contacted the manufacturer of the paver to report the hose problem. The soil was hauled to Glen's Sanitary Landfill. Enclosed is a copy of the manifest.

Please contact me if you have any questions.

no further response

Sincerely,

Russell L. Broad
President

WM S.TTN: CB Rush Delivery

WASTE MANAGEMENT

Sales Rep: JUL 10 2000

Landfill:

GENERATOR'S WASTE PROFILE

Follow the Instructions to complete this form. Forward this with laboratory data, MSDS and other pertinent information to your Sales Representative.

A. GENERATOR INFORMATION

1. Generator Name(s): Elmers Crane & Dozer
2. Facility Address (site of waste generation) 3600 Rennie School
   City: T.C County G.T State: MI Zip: 49660
3. USEPA/State ID #:
4. Contact: Troy Broad 5. Phone: (231) 943-5696 6. E-Mail:

B. TRANSPORTER INFORMATION

1. Transporter Name: Same
2. Address:
   City: State: Zip:
3. Phone: ( ) - 4. Fax: ( ) - 5. E-Mail:

C. CUSTOMER INFORMATION:

1. Customer Name: Same
2. Address:
   City: County: State: Zip:

D. WASTE STREAM INFORMATION:

1. Common Name of Waste: Fuel
2. Please provide a detailed description of how this Waste was generated. (If this is a process waste please include a flow diagram.):

Fuel line leak on Paver

3. Is this Waste derived from an underground storage tank? ___ Yes ✓ No
4. If "Yes," is UST subject to 40 CFR Part 280 corrective action requirements? ___ Yes ✓ No
5. Is this Waste to be solidified by WM prior to disposal into the landfill? ___ Yes ✓ No
6. If "Yes," are the VOC's equal to or greater than 5,000 mg/l? ___ Yes ✓ No
7. Is the attached analytical derived from testing a representative sample of this Waste? ___ Yes ✓ No ___ NA

8. Is this Waste an exempted or delisted "Hazardous Waste"? _____ Yes ✓ No

9. If "Yes," please supply the citation (attach any supporting documentation). _____

10. Is this Waste a "Hazardous Waste" as defined by regulations of the U.S. EPA pursuant to 40 CFR 261 of the Resource Conservation and Recovery Act? _____ Yes ✓ No

11. Is this a "Hazardous Waste" as defined by law or regulations of the State of Michigan? _____ Yes ✓ No

E. PHYSICAL CHARACTERISTICS OF WASTE:

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:
clear	☒ No ☐ Yes; If so describe _____	☒ Solid ☐ Semi-Solid ☐ Liquid ☐ Powder ☐ Other _____	☐ Multi-Layered ☐ Bi-Layered ☐ Single Phased	Range _____	☒ Yes ☐ No Volume: _____ %

7. pH: ☐<2 ☐> 2-4 ☐ 4-7 ☐ 7 ☐ 7-10 ☐ 10-<12.5 ☐>12.5 ☐ Range ☐ N/A

8. Flash Point ☐ None ☐<140°F/60°C ☐ 140 - 199°F/60 - 93°C ☐>200°F/93°C ☐ Closed Cup ☐ Open Cup

F. DOES THIS WASTE CONTAIN?:

	NO	YES		NO	YES
PCB's	✓		Reactive Cyanides	✓	
Reactive Sulfide	✓		Herbicide or Pesticide	✓	
Friable Asbestos	✓		Non Friable Asbestos	✓	

G. SHIPPING INFORMATION:

1. Frequency of Shipment:
✓ /one time only _____ /day _____ /week _____ /month _____ /year Other: _____

2. Estimated Quantities:
10 Cubic Yards _____ Tons _____ Drums _____ Gal. _____ Other: _____

H. EMERGENCY RESPONSE INFORMATION:

Emergency response person: Troy Broad Phone: (231) 943 5696

Special handling instructions and spill clean-up procedures:

N/A Troy Broad

NON-HAZARDOUS CERTIFICATION:

Generator certifies that all information submitted in this and all attached documents is complete and accurate, that all known or suspected hazards have been disclosed, and that this waste is classified non-hazardous according to U.S. EPA and Michigan DEQ Statutes and Regulations. WM may disclose this information : i) as may be necessary to provide disposal services ii) upon request of a regulatory body, or iii) as may be required by law. Generator acknowledges WM's reliance upon this certification.

C. B. Lowe — Generator's Authorized Signature

(dispatcher) — Title

6/22 — Date

C.B Lowe — Please Print Name

JUL 10 2000

GLEN'S SANITARY LANDFILL, INC.
A Waste Management Company
518 E. Traverse Hwy.
Maple City, MI 49664
(231) 228-5196 • (231) 228-5991 Fax

JUL 10 2000

23396

GROSS: Ø LBS Ø TONS
TARE: Ø LBS Ø TONS
NET: Ø LBS Ø TONS
ORIGIN: GRAND TRAVERSE COUNTY

GLEN'S SANITARY LANDFILL
518 E TRAVERSE HWY
MAPLE CITY, MI 49664
PHONE: 231-228-5196

PO#:
COMMENT: ELMERS CRANE AND DOZER

ELMERS ELMERS 09:08 06/23/2000

ELMERS CRANE & DOZER
PO BOX 6150

13-0391

TRAVERSE CITY, MI 49685

Ø12Y	CONTAMINATED SOIL - YA	10	$ 240.00
FUELSUR	Fuel Surcharge		$ 1.44

Total: $ 241.44

ORIGINAL

WM 403-0403

Incident Information As Reported

Site Name: Elmer's Ground Pine Trail spill

Report Received By John Vanderhoof **On (date)** 6/22/2000 MO/DA/YR

Report Communicated to MDEQ By (Phone/FAX/Letter/eMail/Etc) Phone

If by PEAS, the PEAS number:

Person Reporting Incident

Name: Sgt. Mark Henchell
Title: Sgt
Company: State Police
Box/Suite:
Street:
City/State:
Zip:
Phone(s): (231) 946-4646

Other means of contact: Phone
Number:

Incident Location

Name: Elmer's Ground Pine Trail spil
Suite/Box:
Street: 4580 Ground Pine Trail
City:
Zip:
County: GRAND TRAVERSE
Township:
Major Cross Streets:

Off of Holiday Hills to Greenwood

Incident Location (If described when incident was reported)

Site Contact Information

Person : **Phone :**
Site Contact Address:

Incident Description (Described when incident was reported)

Fuel oil leaked.

Pollutants Released

Pollutant and CAS No. Other Petroleum Products
Estimated Vol/Wht **Units** **Source**
Maximum Concentration Must be ug/L or ug/Kg Units

STATE OF MICHIGAN

JOHN ENGLER, Governor
DEPARTMENT OF ENVIRONMENTAL QUALITY
"Better Service for a Better Environment"
HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973
INTERNET: www.deq.state.mi.us
RUSSELL J. HARDING, Director

REPLY TO:
GAYLORD OFFICE
2100 WEST M-32
PO BOX 1830
GAYLORD MI 49734-5830

August 11, 2000

Mr. Russell L. Broad, President
Elmer's Crane and Dozer, Inc.,
P. O. Box 6150
Traverse City, Michigan 49696-6150

Dear Mr. Broad:

SUBJECT: Hazardous Waste and Used Oil Compliance Inspection, Elmer's Crane and Elmer's Asphalt, Inc., MI0001037522, Grand Traverse County

This correspondence is written to acknowledge receipt of your letters dated August 1, 2000, (with PIPP plans); July 28, 2000; July 27, 2000 (two letters); July 25, 2000; July 20, 2000; July 19, 2000; July 18, 2000; July 13, 2000; July 5, 2000 (two letters); July 5, 2000 (Notification of Hazardous Waste Activity); June 30, 2000 (spill notification to Mr. JohnVanderhoeff); and June 30, 2000. These letters from Ms. Kelly Bevier transmitted the spill notifications dated June 9, 2000, that itemize additional actions taken by Elmer's Crane and Dozer (hereafter Elmers) located at 3600 Rennie School Road, Traverse City, Michigan, to correct violation(s) of one or more of the following: Part 111, Hazardous Waste Management, Michigan Compiled Laws (MCL) 324.11101 et seq. (Part 111) and Part 121, Liquid Industrial Wastes, MCL 324.12101 et seq. (Part 121) of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); Subtitle C of the Federal Resource Conservation and Recovery Act of 1976, as amended (RCRA); and any administrative rules or regulations promulgated pursuant to these acts. Staff of the Department of Environmental Quality (DEQ) observed these violations during inspections conducted on June 6 and 9, 2000. Elmers was notified of these violations in a letter dated June 22, 2000. A partial followup inspection was conducted on July 26, 2000, to verify correction of some of said violations.

This is to notify Elmers that based on the information in your above letters and subsequent conversations with Mr. Dan Wagner, Elmer's Construction Engineering Manager, and a follow-up inspection visit, staff of the DEQ have determined that Elmers has corrected the violation(s) identified with regard to Part 111 and Part 121 of Act 451 and Subtitle C of RCRA.

However, this determination does not preclude nor limit the DEQ's ability to initiate other enforcement action under state or federal law as deemed appropriate.

In addition to the above, staff offers the following comments:

1) The Pollution Incident Prevention Plans (PIPP) for the smaller used oil tanks are hereby approved provided you carry through with the planned upgrades as specified in each plan.

AUG 14 2000

2) The PIPP plan for the bulk used oil storage facility tank farm is approved provided you remove the 30,000-gallon used oil tank and complete the piping rearrangements as depicted on plans submitted by Mr. Dan Wagner. The truck unloading area will also be modified and raised to dike level so that any releases from the transport trucks will travel to the containment area, and not to the environment.

3) The EPA numbers for the Park Drive and Cass Road discontinued facilities have been terminated as requested.

4) Regarding the licensing question for the waste oil field changer, you should continue to work with Ms. Donna Burt of the Lansing DEQ Office regarding any refunds. Staff sincerely apologizes for any inconvenience in this area.

5) All containers and tanks of used oil shall be marked as such per regulations previously cited.

6) Mr. Wagner's request for a time extension for the July 30, 2000, submittal date was approved.

7) The second release inside the containment area at the used oil bulk storage tank farm observed by staff during the July 26, 2000, visit was non-reportable; you are correct that no formal reporting was required.

8) The discrepancy with the total quantities of hazardous waste generated and shipped in 1999 has been resolved per Mr. Wagner's letter of July 20, 2000. Based on these quantities and the fact that your sand blasting spent sands and used paint filters came back non-hazardous by TCLP testing, your facility is Conditionally Exempt. You should continue to track on-site hazardous waste generation in the future. If your monthly quantities exceed approximately 28 gallons of typical petroleum solvents, such as waste paints, lacquer thinners, or mineral spirits, or 220 pounds total (weight basis), then you will advance to Small Quantity Status; and you will need to re-notify as such.

9) You, Mr. Wagner, and your staff, including Ms. KellyBevier, have now resolved all other items previously cited. Your and your staff's professional conduct and prompt attention to resolving these complex, environmental matters are commendable, and worthy of praise.

10) Finally, this writer would appreciate a final notice from your office when the modifications to the oil storage areas have been accomplished.

If you have any questions, please feel free to contact me.

Sincerely,

Arthur L. Caden

Arthur L. Caden
Environmental Engineer
Waste Management Division
517-705-3419

cc: Mr. Dan Wagner, PE, Elmers
Mr. John Vanderhoof, ERD, Cadillac

JUL 31 2000

Elmer's
CONSTRUCTION ENGINEERING, INC.

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3600 RENNIE SCHOOL ROAD
P.O. BOX 6150
TRAVERSE CITY, MI 49696-6150

TELEPHONE: (616) 943-3443
FAX NUMBER: (616) 943-8975

Its

July 28, 2000

Mr. John Vanderhoof
Michigan Department of Environmental Quality (MDEQ)
Environmental Response Division (ERD)
120 West Chapin
Cadillac, Michigan 49601

RE: Accidental Spill of Regulated Waste in Containment Area
Elmer's Crane and Dozer, Inc., Grand Traverse County, Michigan
Elmer's Construction Engineering, Inc. No. 201334

Hello John:

I never heard from you yesterday so I can only assume that the contained spill experienced at the Elmer's Crane and Dozer, Inc. (Elmers) facility does not need to be formally reported. As I stated in yesterdays letter that I faxed to you, I could not find anything in my literature that requires formal actions with regard to that spill.

I did provide Mr. Art Caden a courtesy copy of that letter as he was on site immediately following the spill. Art called me yesterday afternoon and informed me that he agreed, that the incident would not be classified as a reportable release.

Therefore, I will not submit to you any additional correspondence (including the manifests referenced yesterday) to your attention. Feel free to call on me if you require additional information.

Thank you,

ELMER'S CONSTRUCTION ENGINEERING, INC.

Daniel P. Wagner, PE
Project Engineer

mdeq_wm7.doc

SENT VIA FACSIMILE TO 231.775.1511 (HARD COPY TO FOLLOW VIA US MAIL)

Elmer's
CONSTRUCTION ENGINEERING, INC.

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3600 RENNIE SCHOOL ROAD
P.O. BOX 6150
TRAVERSE CITY, MI 49696-6150

TELEPHONE: (616) 943-3443
FAX NUMBER: (616) 943-8975

July 27, 2000

Mr. John Vanderhoof
Michigan Department of Environmental Quality (MDEQ)
Environmental Response Division (ERD)
120 West Chapin
Cadillac, Michigan 49601

RE: Accidental Spill of Regulated Waste in Containment Area
Elmer's Crane and Dozer, Inc., Grand Traverse County, Michigan
Elmer's Construction Engineering, Inc. No. 201334

Hello John:

Late yesterday afternoon, an accidental surface spill occurred at the Elmer's Crane and Dozer, Inc. (Elmers) facility. Their corporate address is 3600 Rennie School Road. I have interviewed the persons involved in the incident. Following is an account of the circumstances leading up to the spill, and the actions following the incident.

As you know, Elmers has several above ground storage tanks used to store waste oil needed to fuel their asphalt plant. As you may recall, Mr. Art Caden, Waste Management Division (WMD) recently conducted a compliance inspection of Elmers facility. Following that inspection Mr. Caden provided Elmers with a report of finding where he identified areas that he felt should be improved. One of the items that he had requested was that Elmers install high level alarms on their used oil tanks.

Yesterday afternoon, July 26, 2000 at approximately 2:00 P.M. one of Elmers electricians, Mr. Don Jennett, was attempting to install a pressure transducer. The transducer was being installed in one of the above ground waste oil storage tanks. The purpose of the transducer is to signal a high level situation to avoid overflowing the tanks, as was a condition of Mr. Caden's report. Mr. Jennett reported to me that while he was attempting to install the transducer, a valve he was operating on the #1 tank failed.

The failed valve allowed approximately 2,000 gallons of waste oil to leave the tank, and enter the secondary containment dike before the valve was repaired. The waste oil was contained within the secondary containment dike that is constructed of concrete. Elmers personnel pumped the oil out of the secondary containment area into an oil transfer tank. The oil was then replaced into the #1 above ground waste oil tank.

During the oil clean up efforts, a small amount of waste oil, estimated to be approximately 0.5 gallons was spilled onto the paved surface adjacent to the secondary containment area. The small amount of waste oil was spilled outside of the dike at a valve that allows the containment dike to be drained. Elmers personnel applied approximately 1,500 pounds of clay based absorbent material inside the secondary containment dike and to the small spill area outside of the dike, to absorb any remaining residue.

All free product was recovered by the close of business yesterday. The absorbent material is currently being stored in a covered area while the arrangements are made for the material to be properly disposed of as regulated waste. Once the material has been disposed, Elmers will submit copies of any manifests generated for your files. No evidence of soil, surface water, or ground water contamination resulting from the release was noted. A threat to public safety was not perceived due to the stability, and physical properties of the waste oil. Therefore, no notification was made to the local public safety authorities.

I have reviewed a document titled "Release Notification Requirements in Michigan" that I acquired from the MDEQ website. It is my interpretation of that document that no specific release reporting is required for this incident. Please verify this fact for me as the document also states that additional reporting requirements may be necessary that are not listed in that document.

Elmers wishes to be in full compliance with any regulatory statutes that govern their operations. If a formal notification is required, please contact me so that I may acquire, complete and submit the necessary forms. Please contact me to clarify my understanding that no formal action is needed, or if additional information is necessary for you to make that determination. Also, feel free to contact me if you care to visit the area of concern.

By coincidence, Mr. Art Caden visited our facility yesterday. He and I were made aware of the spill when we visited the waste oil tank area to examine an unrelated item that concerned Mr. Caden during his previous inspection. This situation allowed us to further discuss several items that we feel could be further improved upon at Elmers facility.

Sincerely,

ELMER'S CONSTRUCTION ENGINEERING, INC.

Daniel P. Wagner, PE
Project Engineer

cc: Mr. Art Caden, WMD, MDEQ
Fax 517.731.6181

mdeq_wm5.doc

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JUL 27 2000

Elmer's
CONSTRUCTION ENGINEERING, INC.

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3600 RENNIE SCHOOL ROAD
P.O. BOX 6150
TRAVERSE CITY, MI 49696-6150

TELEPHONE: (616) 943-3443
FAX NUMBER: (616) 943-8975

July 27, 2000

Mr. John Vanderhoof
Michigan Department of Environmental Quality (MDEQ)
Environmental Response Division (ERD)
120 West Chapin
Cadillac, Michigan 49601

RE: **Accidental Spill of Regulated Waste in Containment Area**
Elmer's Crane and Dozer, Inc., Grand Traverse County, Michigan
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JUL 27 2000

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Sincerely,

ELMER'S CONSTRUCTION ENGINEERING, INC.

Daniel P. Wagner, PE
Project Engineer

cc: Mr. Art Caden, WMD, MDEQ
Fax 517.731.6181

mdeq_wm5.doc

SENT VIA FACSIMILE TO 231.775.1511 (HARD COPY TO FOLLOW VIA US MAIL)

Incident Information As Reported

Site Name: Elmer's Crane & Dozer, Inc.

Report Received By John Vanderhoof **On (date)** 7/27/2000 MO/DA/YR

Report Communicated to MDEQ By (Phone/FAX/Letter/eMail/Etc) Phone

If by PEAS, the PEAS number:

Person Reporting Incident

Name: Dan Wagner
Title: Project Engineer
Company: Elmer's Construction Engineerin
Box/Suite: P.O. Box 6150
Street: 3600 Rennie School Road
City/State: Traverse City MI
Zip: 49696-6150
Phone(s): (231) 943-3443

Other means of contact: Phone
Number:

Incident Location

Name: Elmer's Crane & Dozer, Inc.
Suite/Box:
Street: 3600 Rennie School Road
City: Traverse City
Zip: 49696-6150
County: GRAND TRAVERSE
Township:
Major Cross Streets:

Incident Location (If described when incident was reported)

Site Contact Information

Person : **Phone :**

Site Contact Address:

Incident Description (Described when incident was reported)

Late yesterday afternoon, July 26, 2000, at approximately 2:00 p.m. an accidential surface spill occurred at the Elmer's Crane and Dozer, Inc. facility. One of Elmer's electricians, Don Jennet, was attempting to install a pressure transducer. While attempting to install the transucer, a valve he was operating on the #1 tank failed allowing approximately 2,000 gallons of waste oil to leave the tank and enter the secondary containment dike before the valve was repaired. The waste oil was contained within the secondary containment dike that is constructed of concrete. Elmer's personnel pumped the oil out of the secondary containment area into an oil transfer tank. The oil was then replaced into the #1 above ground waste oil tank. During the oil clean up, approximately 0 .5 gallons was spilled onto the paved surface adjacent to the secondary containment area. The small amount of waste oil was spilled outside the dike at the valve that allows the containment dike to be drained. Elmer's personnel applied approximately 1,500 pounds of clay based absorbent material inside the secondary containment dike and to the small spill outside the dike, to absorb any remaining residue. All free product was recovered by the close of business yesterday. The absorbent material is currently being stored in a covered area while arrangements are made for the material to be properly disposed of as regulated waste.

Pollutants Released

Pollutant and CAS No. Other Petroleum Products

Estimated Vol/Wht **Units** **Source**

Maximum Concentration Must be ug/L or ug/Kg Units

From: Arthur Caden
To: John Vanderhoof
Date: Fri, Jun 30, 2000 2:58 PM
Subject: Re: Elmers Waste Oil Loss

You got this wrong, John--WMD has reporting requirements under the waste oil and PIPP rules --yes, WMD does administer this in some cases--thats why I cited the rule! So, please send me a copy of the report so I can place in the record too! We also do part 31, from a gw standpoint--this really is a combo-surface water and gw type of spill-it went over the ground and downan embankment which is soils--the fact that it is waste oil is another, and aklso because it may also be subject to SPCC.

>>> John Vanderhoof 06/28 8:59 AM >>>
Elmers did send me a letter describing their waste oil loss. They did meet ERD's reporting requirements. Since surface water is not an issue, I don't believe Part 31 rules apply.

Elmer's

1200 CABERFAE HIGHWAY
MANISTEE, MI 49660-9162

TELEPHONE: (231) 723-2538
FAX NUMBER: (231) 723-6189

An Equal Opportunity Employer

3600 RENNIE SCHOOL ROAD • P.O. BOX 6150
TRAVERSE CITY, MI 49696-6150

TELEPHONE: (231) 943-3443
FAX NUMBER: (231) 943-8975

June 30, 2000

JUL 03 2000

Mr. John Vanderhoof
Department of Environmental Quality
120 West Chapin
Cadillac, MI 49601

Dear Mr. Vanderhoof:

Enclosed please find a copy of the ticket from Glen's Sanitary Landfill for the contaminated soil that was removed. This is a much better copy. Please call me if you have any questions.

Sincerely,

Kelly R BeVier

Kelly R. BeVier

21003

JUL 03 2000

GLEN'S SANITARY LANDFILL, INC.
A Waste Management Company
518 E. Traverse Hwy.
Maple City, MI 49664
(231) 228-5196 • (231) 228-5991 Fax

23395

GROSS: 0 LBS 0 TONS
TARE: 0 LBS 0 TONS
NET: 0 LBS 0 TONS
ORIGIN: GRAND TRAVERSE COUNTY

GLEN'S SANITARY LANDFILL
518 E TRAVERSE HWY
MAPLE CITY, MI 49664
PHONE: 231-228-5196

PO#:
COMMENT: ELMERS CRANE AND DOZER

ELMERS ELMERS 09:06 06/02/2000

ELMERS CRANE & DOZER
PO BOX 6150

13-0391

TRAVERSE CITY, MI 49685

018Y	CONTAMINATED SOIL - YA	17	$ 408.00
FUELSUR	Fuel Surcharge		$ 2.44

Total: $ 410.44

ORIGINAL

WM 403-0403

Elmer's

AN EQUAL OPPORTUNITY EMPLOYER

JUN 28 2000

☒ 3600 RENNIE SCHOOL RD.
P.O. BOX 6150
TRAVERSE CITY, MI 49696-6150
TEL: (231) 943-3443
FAX: (231) 943-8975

☐ 1200 CABERFAE HIGHWAY
MANISTEE, MI 49660-9162
TEL: (231) 723-2538
FAX: (231) 723-6189

☐ 20248 19 MILE ROAD
BIG RAPIDS, MI 49307
TEL: (231) 796-8711
FAX: (231) 796-3353

E-MAIL: accounting@teamelmers.com -or- engineering@teamelmers.com

FAX Transmission

Pages: 2 (including this one)

To: MDEQ From: Kelly - 231-943-3443

Attention: John Vanderhoof Date: 6/27/00

Fax: 231-775-1511 Time:

Following is the missing load quanity you were inquiring about. If it doesn't come through very clearly I can mail You a copy as well. Please let me know. Will be mailed.

MAILED ORIGINAL ☐

If you did not receive all of the pages or find that they are not legible, please call back as soon as possible.

JUN 2 8 2000

(DRIVER: PLEASE SIGI OW)

540772

[redacted]

(PLEASE SIGN HERE)

[redacted]

[redacted]

CUSTOMER:

[redacted]

[redacted]

200357

ORIGINAL

WJ40090

File: New File (Elmer's Crane & Dozer), GT

JUN 26 2000

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

REPLY TO:

GAYLORD OFFICE
2100 WEST M-32
PO BOX 1830
GAYLORD MI 49734-5830

June 22, 2000

Mr. Russell Broad, President
Elmer's Crane and Dozer, Inc.,
PO Box 6150
Traverse City, MI. 49696

Dear Mr. Broad:

SUBJECT: Hazardous Waste Compliance Inspection, MI-0001037522, Elmer's Crane and Dozer, Inc., Traverse City, Grand Traverse County

On June 6 and 9, 2000, in response to a referral from Environmental Response Division, Cadillac, staff of the Michigan Department of Environmental Quality (MDEQ) conducted an inspection of Elmer's Crane and Dozer, Inc., (hereafter Elmer) located at 3600 Rennie School Road, Traverse City, Michigan, to evaluate compliance of that facility with Part 111, Hazardous Waste Management, Michigan Compiled Laws (MCL) 324.11101 et seq. (Part 111) and Part 121, Liquid Industrial Wastes, MCL 324.12101 et seq. (Part 121) of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); Subtitle C of the Federal Resource Conservation and Recovery Act of 1976, as amended (RCRA); Part 31 ,Water Resources, MCL 324.3101 et seq (Part 31); and any administrative rules or regulations promulgated pursuant to these acts.

Prior to the visit of June 6, there had been a release of used oil from the tank storage battery at the asphalt burner area, where Elmer stores both specification used oil from Diamond Oil Company, and oil generated on site from your own operations. This release did reach the environment, and left the tank farm containment area by means of a drain line on the containment diking with a gate valve that a worker had left open, apparently for the purpose of draining the storm water from the diked area. During the release event there was a rainstorm, which dropped 1 or 2 inches of rain in a short period while there was an oil transfer underway. Apparently there was an error on the part of the work person responsible for the oil transfer, since the depth of oil in the tanks in the farm had been misjudged, resulting in the overflow to the containment floor and then out through the open drain valve. Subsequently, the released oil ran over the paved parking lot, which is sloped, and then into a storm water containment basin at the base of a hill. Cleanup of the spilled oil was subsequently accomplished, prior to the June 6 visit, by Mr. Vanderhoof and this staff person. On

June 6, a preliminary inspection was conducted and a return visit was arranged on June 8, 2000 to inspect all buildings and operations at this location. Following is a result of the revisit inspection:

As a result of the inspection, staff of the MDEQ have determined that the above facility is in violation of the following:

1) *Part 5 Rules of Part 31, Water Resources, of the NREPA, MCL 324.3101: Pollution Incident Prevention Planning,(commonly referred to as PIPP planning), states as follows in R323.1162, Rule 162: " Pollution Incident Prevention Plan. The owner of an oil storage or on-land facility shall file with the commission within 180 days after the effective date of these rules, or 30 days before the date of first use in case of new construction, a Pollution Incident Prevention Plan (PIPP), setting forth:*
   a) *The procedures by which such person proposes to prevent pollution of the waters of this state from storage and use areas, manufacturing processes, treatment systems, and shipping of oil and materials;*
   b) *The emergency cleanup procedures to be used in the event of a spill, discharge, seepage, runoff, or leakage of oil or polluting material into the waters of this state;*
   c) *The type of surveillance employed by such person;*
   d) *The method by which inventories are made of oil and polluting materials from the time the oil and polluting materials are received or manufactured, until such time it is treated and discharged or shipped out by the oil storage or on-land facility".*

Elmer failed to submit a PIPP plan to this agency as described above. No plan was found in MDEQ files here at the Gaylord Office for the tank battery and for the 5 other used oil storage tanks, which were identified at other locations on Elmer property.

Elmer shall therefore prepare and submit a PIPP plan which shall include the areas cited above and giving details of the storage and containment areas, methods employed, and materials of construction of the existing facilities and proposed facilities as per the informational packet hereby enclosed with this Letter of Warning, by July 30, 2000. The upgraded secondary containment systems shall also include the "use" areas for the tank farms, which were pointed out to you. The area where the transport wagon is staged to load or offload the oils at the tank farm shall be provided with a quick-drain system, capable of containing, diverting, and directing, a release from the transport truck/wagons back into the tanks in the farm. The quick drain system shall be designed to accommodate the largest compartment of the largest transport truck servicing the area, during a 3"rainfall event in 24 hours. The diversion shall include an oil/water separator unit of appropriate volume to separate the oil from the water from such a rainfall event. The used oil–spec oil tanks shall be also provided with level gauges and high level alarms, which can signal a high level situation before the tank overflows to the pad area. The workers shall be instructed in new gauging procedures, alarms, and response procedures to be presented in the PIPP. The PIPP shall also be a working document, not one to be filed away and forgotten. Inspection and surveillance logs shall be prepared and kept for the tankage and tank farm areas where both used oils and new oils are stored. Response equipment shall be kept stored in a central location, inventoried, and replaced when needed by the responsible manager for that area(s). This tank farm stores approximately 170,000 gallons of oils, not including the volumes at the other 5 locations. Therefore, secondary

containment is required to contain, at a minimum, 100% of the largest tank in the area. These tanks, their locations keyed to a site map, and the size/volume/materials of construction shall be included with the PIPP. The locations of response tools and vehicles shall also be give, and the telephone numbers of the Emergency Coordinators at Elmer shall be included as well. This writer will review said plan for adequacy, and will respond with needed changes if required. In the paint shop, the storage of thinners such as xylene or toluene may also need to be provided with 150% secondary containment, and Elmer should refer to the "Critical Materials List"(Polluting Materials) enclosed with the informational packet.

2) Rule 164 of the Part 5 Rules states as follows: " Pollution Incident Report: The owner, operator, or manager of a vessel, oil storage facility, or an on-land facility which spills, or permits to be spilled, oil, salt, or polluting material shall immediately notify the commission and, within 10 days after the spill, shall file a report with the commission outlining the cause, its discovery, and the procedures taken to remove the oil, salt, or polluting materials from the waters of this state."

Elmer experienced the spill prior to the June 6 inspection visit by staff. Elmer has not submitted a report of the incident as required by the above rule: not later than 10 days after the event. Not later than 10 days after the receipt of this letter, prepare and submit a report as required by this rule to this writer at the Gaylord Office.

3) "The facility shall maintain a copy of the waste evaluation on-site for three years from the date that the waste was last sent off-site or on-site treatment, storage or disposal."
(Rule 307(1): 40 CFR 262.40(c))
"The generator is required to re-evaluate their waste when changes in materials or process involved in generating the waste are made." (Rule 302(3))

The inspection revealed that there were some wastes which have not been properly evaluated for hazardous characteristics. These were the sand blasting debris discovered outside the painting area, and the filters from the paint booth. These may be hazardous waste by the Toxicity Characteristic Leach Procedure Test Method (TCLP). If a facility can attest to the hazard characteristics by claiming "knowledge" of the waste, this Agency can accept those statements; however a firm argument needs to be presented to support the generator's claim based on "knowledge," such as the types of solvents used, MSDS sheets data, or prior testing data using the TCLP. Normally, the service company transporting the waste to the disposal facility needs to know the definite hazard characteristics to safely transport the wastes and to provide information for the Land Disposal regulation rule requirements, which require the disclosure of all hazardous waste codes and treatment standards under 40 CFR 268.7. Not later than July 30, 2000, provide a TCLP analysis for the sand blast debris and the paint booth filters.

4) "The generator shall keep a copy of the manifest available for review and inspection."
(Section 11138(1)(f))

The inspection revealed that the manifests for the disposal of the drums of paint waste in the past were not available for inspection. You indicated that Diamond Oil and Egeler Services had

transported the paint waste in the past. Not later than July 30, 2000, submit copies of the manifests for this waste from three years previous to this year.

5) "The facility must obtain an EPA identification number using the State of Michigan form." EQP5150. (Rule 303: 40 CFR 262.12)

Elmer has obtained an identification number MI-0001037522, but the status is "Transporter", and "Used Oil Fuels-Burner." Staff discussed with you the status may be incorrect, as follows:

1) You have an untested/uncharacterized waste stream: the sand blast debris and paint booth filters.
2) You must include all hazardous wastes in the monthly quantity determination. If they add up to greater than 220 pounds, then you are regulated as Small Quantity Generator (220 pounds to 2,200 pounds in a 30-day period). Further, the paint solvents and waste paint has not been determined as yet, since you have no records on same.
3) MDEQ records indicate that in addition to the use of the MI-0001037522 in 1999 waste summary, Elmer also shipped hazardous wastes under MID 985592039 which is the Cases Road number. Staff suspects that the waste paints and solvents from 3600 Rennie School road were actually shipped under the older Cass Road MID number, which currently is owned by waste Management of North America, Inc. You should resolve this discrepancy, and make sure that all staff at 3600 Rennie School Road are using the newer MI number. As I requested, you should also terminate the Cass Road and the Park Drive numbers which are still registered to Elmer, but used by the other businesses at those locations.

Based on this analysis, staff hereby informs you that MDEQ is considering your facility to be at Small Quantity Generator status, and you should renotify as soon as possible to obtain status as that class. Then, at a later date, based on a record of shipments subsequent to this visit, you may qualify for a "conditionally Exempt" status. A brochure is enclosed describing the regulations for the SQG status of generator.

6) "Before transporting hazardous waste or offering for transportation hazardous waste off-site, the facility must package the waste in accordance with U.S. DOT regulations."
(Rule 305(1)(a): 40 CFR 262.30)
"The date upon which each period of accumulation began must be marked and visible for inspection on each hazardous waste container." (Rule 306(4)(c): 40 CFR 262.34(d)(4))
"While being accumulated on-site, each container of hazardous waste must have the words 'Hazardous Waste' clearly marked or labeled on it." (Rule 306(4)(d): 40 CFR 262.34(d)(4))
"While being accumulated on-site, each container of hazardous waste must have the hazardous waste number clearly marked or labeled on it." (Rule 306(4)(c))

The inspection revealed three, 5-gallon containers of waste paints and solvents in the paint room area. There were no labels containing the above information on them. Place labels and provide the information as required above, not later than July 30, 2000.

7) "A facility shall inspect areas where containers are accumulated, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors as required in 40 CFR 265.174." (Rule 306(4)(b): 40 CFR 262.34(d)(2))

There was no indication that a weekly inspection is/was done at the waste area. Begin this procedure as soon as this letter is received, on the form staff provided as a guide.

8) "The generator shall post the following next to the telephone(Rule 306(4)(g): 40 CFR 262.34(d)(5)(ii)(A-C)):

- *a) The name and telephone number of the emergency coordinator.*
- *b) The location of fire extinguishers and spill control material and, if present, fire alarm.*
- *c) The telephone number of the fire department, unless the facility has a direct alarm."*

Place the above information on the green poster staff provided you, and post at the phone nearest to the hazardous waste storage areas.

9) "Containers and above-ground tanks which are used to store used oil at the burner/generator site shall be labeled as 'Used Oil' or equivalent." (40 CFR 279.64), and Rule 814(4) of Part 111.)

Tanks at the shops and barrels at the shop containing used oil were not properly labeled. All containers and above-ground tanks shall be labeled as required, not later than July 30, 2000.

10) The burner shall ensure that the used oil being burned in the permitted burner is "Specification Oil" (i.e., meets the specifications of 40 CFR 279.11, Table I).

The inspection revealed that oil generated at the shops on site may have been added to the tank farm without the analysis as required by this part. Your air quality permit also requires the oil to meet these specifications at the tank farm before mixing or blending occurs. You may also wish to burn the oil generated on-site in space heaters vented to the ambient air, with no permit requirement or specification testing. If you bring oil in from off-site generation activities, such as remote field oil-changing, the oil will need to be manifested and the truck you use licensed by our Lansing permit section for transportation of used oil. This oil will need to be tested as above.

Elmer must respond to the violations noted in this letter in writing. Please submit documentation to this office regarding those actions taken to address the violations cited above by July 30, 2000. The MDEQ will evaluate the response and determine Elmer's compliance status and notify you of this determination.

This letter of warning does not preclude nor limit the MDEQ's ability to initiate any other enforcement action, under state or federal law, as deemed appropriate.

JUN 26 2000

Enclosed, for your information, is a handout explaining the Pollution Incident Prevention Plan required for certain facilities under Part 31, Water Resources Protection, MCL 324.3101 et seq. of Act 451; a short information sheet on waste minimization; an information sheet on recycling fluorescent bulbs; and information on polychlorinated biphenyl (PCB) ballasts.

If you have any questions, please feel free to contact me.

Sincerely,

Arthur L. Caden

Arthur L. Caden
Environmental Engineer
Waste Management Division
517-705-3419

Enclosures

cc: Gaylord Files
C-file
John Vanderhoof, ERD, Cadillac
Janis Denman, Air Quality, Cadillac
Phil Roycraft, WMD, Cadillac
Chief, Fire Department, Garfield Township
Garfield Township Supervisor

Elmer's
AN EQUAL OPPORTUNITY EMPLOYER
1-800-3ELMERS

P.O. BOX 6150 • TRAVERSE CITY, MI 49696-6150
PHONE (231) 943-3443 • FAX (231) 943-8975

TRAVERSE CITY • MAPLE CITY • MANISTEE • BIG RAPIDS

June 14, 2000

Mr. John Vanderhoof
Department of Environmental Quality
120 West Chapin
Cadillac, MI 49601

Re: Oil Spill at Elmer's Crane & Dozer, Inc.

Enclosed please find a copy of another Manifest for the soil that was hauled away from the oil spill that occurred on May 30, 2000. This manifest was inadvertently omitted in the letter that I sent to you on June 9, 2000.

Sincerely,

Russell L. Broad
KRB

Russell L. Broad
President

JUN 16 2000

Please complete all applicable sections of this form. Instructions are printed on the back of the form. If you have questions regarding appropriate test parameters contact the landfill agent.

Generator Name: _____

Address: _____

_____

Telephone: ( ) _____

Generator Contact: _____

General Material Description: _____

_____

_____

_____

Process Generating Waste: _____

_____

_____

_____

Other Information:

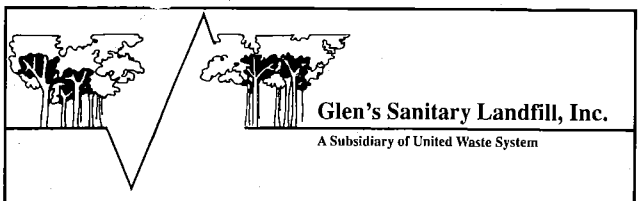
Delivery Method:
- ☒ Bulk
- ☐ Drum
- ☐ Other_____

Regulatory Agency Contacted:
- ☒ Yes
- ☐ No

Contact Person _____

Phone # _____

Waste Characterization Information Provided (e.g.: Material Safety Data Sheets):
- ☒ Yes
- ☐ No



P.O. Box 148, Maple City, MI 49664
(616) 228-5196

TYPE II WASTE ACCEPTANCE APPLICATION

Waste Quantities:

Units:
- ☐ Drums
- ☒ Cubic Yds
- ☐ Tons

Frequency of Receipt:
- ☐ Daily
- ☒ One Time
- ☐ Weekly
- ☐ Other_____

Company Hauling Waste:

_____

Contact Person _____

Phone # _____

---

1. Physical Properties:

A. Physical State at 70° F:
- ☒ Solid
- ☐ Semisolid
- ☐ Liquid - not accepted

B. Density _____ lb./Cubic Yd.

C. Color: _____

D. Flash Point: _____ ° F (liquids only)

E. Odor: ☐ No ☒ Yes

F. Water Content _____ % by Weight

G. pH _____

H. Paint Filter Test:
- ☒ Passed
- ☐ Failed

2. Chemical Properties - Toxicity Characteristic Leaching Procedure (TCLP) in mg/l.
(Attach TC list constituent/concentration/regulatory level)

3. Total Constituent Concentration (mg/l)

Benzene	____	Xylene	____	Ethyl Benzene	____	_____	____	_____	____		
Toluene	____			_____	____	_____	____	_____	____		

GENERATOR CERTIFICATION

To the best of my knowledge, the information provided above is accurate and the material is not classified as a hazardous waste in accordance with current regulations.

Authorized Representative _____ Date: _____

GLEN'S SANITARY LANDFILL APPROVAL:

Landfill Agent: _____ Date: _____

President: _____ Date: _____

KP100 8/30/91 WHITE-Landfill Office GREEN-Landfill Billing Copy YELLOW-Transporter PINK-Generator GOLD-Generator

JUN 1 3 2000

Elmer's

1200 CABERFAE HIGHWAY
MANISTEE, MI 49660-9162
TELEPHONE: (231) 723-2538
FAX NUMBER: (231) 723-6189

An Equal Opportunity Employer

3600 RENNIE SCHOOL ROAD • P.O. BOX 6150
TRAVERSE CITY, MI 49696-6150
TELEPHONE: (231) 943-3443
FAX NUMBER: (231) 943-8975

June 9, 2000

Mr. John Vanderhoof
Department of Environmental Quality
120 West Chapin
Cadillac, MI 49601

Re: Oil Spill at Elmer's Crane & Dozer, Inc.

Dear Mr. Vanderhoof:

On May 30, 2000, we were installing a new asphalt plant that will run on used motor oil. It is permit #7-00 with the Air Quality Division. We have four 30' tall tanks and one 20' tall tank with a common header line between all tanks. We installed a 2" oil line and air pressured to 130 P.S.I. with no leaks on pressure. However, when we opened the valves we had a small leak at one of the couplings. We closed the valves on the tanks and pumped oil out of the line back into the tank and tightened the coupling and again turned on all the valves on the oil line. There were no leaks while doing so.

With all valves open, the 30' high tanks had more pressure than the 20' high tank and the oil seeked its own level and ran out of the overflow vent on top of the tank into our containment area. The valve on the bottom containment area was opened and some oil flowed onto the asphalt. Due to rain, it moved the oil to our containment area. There the oil laid on top of the water. We installed an oil boom and pads and dried up the oil on top of the water. We removed the stained soil and hauled it to Glen's Landfill with the enclosed manifest.

We removed the oil from the containment area around the tank form and put it back into the tanks and cleaned up the area. On June 6, 2000, Arthur Caden and yourself inspected the site. Mr. Caden returned to the site on June 9, 2000. We are working with him to come into full compliance. Please contact me if you have any questions. Thank you for your help in this matter.

Sincerely,

Russell L. Broad

"Kelly" at Elmers

Russell L. Broad
President

JUN 13 2000

(DRIVER: PLEASE SIGN BELOW)

21184
540954

[redacted]

(PLEASE SIGN HERE)

Leno Osterle
#251

GROSS:	Ø LBS	Ø TONS
TARE:	Ø LBS	Ø TONS
NET:	Ø LBS	Ø TONS

ORIGIN: LEELANAU COUNTY

GLEN'S SANITARY LANDFILL
518 E TRAVERSE HWY
MAPLE CITY, MI 49664

[redacted]

ELMERS CRANE & DOZER
PO BOX 6150
[redacted]

CUSTOMER:

[redacted]

Ø12Y CONTAMINATED SOIL - YA (8)
FUELSUR Fuel Surcharge

[redacted]

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
	Total:		$ 197.17

ORIGINAL

WM0090

JUN 1 3 2000

Please complete all applicable sections of this form. Instructions are printed on the back of the form. If you have questions regarding appropriate test parameters contact the landfill agent.

Generator Name: Elmer's Crane & Dozer

Address: P.O. Box 150

Traverse City, MI 49685

Telephone: (231) 943-5525

Generator Contact: Ray L. Brand

General Material Description: Auto motor oil / soot mix

Process Generating Waste: Spilled from bottom of tank

Glen's Sanitary Landfill, Inc.
A Subsidiary of United Waste System
P.O. Box 148, Maple City, MI 49664
(616) 228-5196

TYPE II WASTE ACCEPTANCE APPLICATION

Waste Quantities:

Units: ☐ Drums ☒ Cubic Yds ☐ Tons

Frequency of Receipt:

☐ Daily ☒ One Time ☐ Weekly ☐ Other_____

Company Hauling Waste:

Contact Person Ray Brand

Phone # 943-5525

Other Information:

Delivery Method: ☐ Bulk ☐ Drum ☐ Other_____

Regulatory Agency Contacted: ☒ Yes ☐ No

Contact Person _____

Phone # _____

Waste Characterization Information Provided (e.g.: Material Safety Data Sheets): ☒ Yes ☐ No

---

1. Physical Properties:

A. Physical State at 70° F: ☒ Solid ☐ Semisolid ☐ Liquid - not accepted

B. Density _____ lb./Cubic Yd.

C. Color: _____

D. Flash Point: _____ ° F (liquids only)

E. Odor: ☐ No ☒ Yes

F. Water Content _____ % by Weight

G. pH _____

H. Paint Filter Test: ☐ Passed ☐ Failed

2. Chemical Properties - Toxicity Characteristic Leaching Procedure (TCLP) in mg/l.
(Attach TC list constituent/concentration/regulatory level)

3. Total Constituent Concentration (mg/l)

Benzene	___	Xylene	___	Ethyl Benzene	___	_____	___	_____	___		
Toluene	___			_____	___	_____	___	_____	___		

GENERATOR CERTIFICATION

To the best of my knowledge, the information provided above is accurate and the material is not classified as a hazardous waste in accordance with current regulations.

Authorized Representative _____ Date: 6-5-00

GLEN'S SANITARY LANDFILL APPROVAL:

Landfill Agent: _____ Date: 6/13/00

President: _____ Date: _____

KP100 8/30/91 WHITE-Landfill Office GREEN-Landfill Billing Copy YELLOW-Transporter PINK-Generator GOLD-Generator

6-6-00

Elmer's Asphalt Plant, Grand Traverse
Rennie School Rd

9:30 – 11:30

Butch (Russel) Brood, owner, gave Art Coden WRD and I a tour of the facility. The waste "spec" oil had leaked from a valve on the Containment surrounding the 6+1 tanks. The oil ran down the asphalted drive to the south with the rain, and then on the drive further east to a large storm water retention area. This area is partially a natural bowl in the woods that Elmers have been permitted to use for storm water.

From the sides of this storm water pond, they removed the visiably stained soils and disposed at Glen's L.F. Any staining on the drive was either washed away by the rain or had sand spread on it. Some of the oil was collect on pads and booms placed to collect the oil. I did not enter the storm water retention basin, but there was no visiable sheen on the water in the pond.

Butch will send receipts and a letter. Estimated volume lost aprox 50 gallons.

John Vanderhoof

TELEPHONE RECORD

Date: May 31, 2000

Name of Caller or Person Contacted: Butch Broad (W) 231-943-5501

Affiliation: Elmers mobile 231-633-3001

Subject: Oil Spill (H) 231-269-3063

File Name, County: Elmers Ashphalt Plant, G.T.

Summary of Discussion: Waste oil spill, small leak in the line. Apriximatly 60 gallons lost from a leak. This will be land dug and transported to Glens L.F.

Additionally, a larger quantity of oil overflowed from one of their tanks, but was contained in the cement containment pond - floating on rain water. They will use pads and booms to soak up the oil for disposal. He will send DEQ receipts (manifests) and a brief letter when complete. I am welcome to stop by for a look. Gary Kiessel. or Troy

25 yards disposed

Signature: John Vanderhoof Page ___ of ___

New File: Elmers Crane & Dozer G. T.

Compliance Monitoring Database Incident Information

DJ

Site Name:	Elmer's Crain & Dozer
District:	Cadillac
Report Received By:	John Vanderhoof
Date Reported To MDEQ:	3/1/96
Means by which report was received:	tx
PEAS Number:	

Person Reporting Incident

Complainant:	Anonymous	Title:	
Company:		Div/Depart:	
Box/Suite:			
Street:			
City:		State:	Zip:
Phone:			
Other Contact Means:	Phone	Number:	

Site Location

Site Name:	Elmer's Crain & Dozer		
Box/Suite:			
Street:	1689 Park Drive		
City:	Traverse City	Zip:	49684-
County:	GRAND TRAVERSE	Local Unit of Government:	Traverse City
Major Cross Streets:	South of S. Airport on Park Drive		

Incident Location (Described)

Floor Drains inside of building: discharge outside of building at the North West Corner.

Site Contact

Site Contact Person:	Troy Broad	Contact Phone:	(616) 943-3443
Site Contact Address:	3600 Rennie School Road		

Compliance Monitoring Database Incident Information

Site Name: Elmer's Crain & Dozer

Incident Description As Reported

Improper use of a floor drain for paint waste. Drain empties into the soil. No holding tank, no connection to sanitary sewer.

Incident Investigation

Project Manager Assigned: John Vanderhoof

Site Visit Comments/Discovery and Incident Description (as determined by MDEQ):

Jim McLaughlin and I (as PM) visited location 3/6/96 and confirmed a problem with the floor drains existed.

Incident Status

Incident Confirmation: Confirmed

Overall Status: Closed

- **If closed, date closure approved:** 1/21/98
- **If referred to agency, the agency:** Not Referred
- **Date Referred to Agency:**
- **If reffered to site DB, site No.:** 0
- **Date Referred to Site DB:**

Activity Status: Not Applicable

CleanUp Category: ~~Site Specific~~ Generic RCA - changed 8/24/98

Cleanup Funding: Non State

Incident Disposition (used for activity report)

Soil was analyzed, removed, excavated, disposed. Floor drain was plugged (but not abandoned). Building has been sold. (No BEA as of 8/98)

Compliance Monitoring Database Incident Information

Site Name: Elmer's Crain & Dozer

Resources Potentially/Actually Affected

Resource	Affected	Potentially Affected	Remediated	Controlled	Volume Resource Remediated Or Controled	Units
Soil	☑	☐	☑	☐	8	Cubic Yards
Groundwater	☐	☑	☐	☐	0	

Pollutants Released

Pollutant	Estimated Vol/Wht	Units	Source Of Contamination
solvents and paint waste	10	Gallons	Floor Drain
fuel oil	1	Gallons	Floor Drain

Pollutants Remediated

Pollutant Remediated	Estimated Amount	Units	Remediation Action Taken
mixture of waste	3	gallons	excavation and removal

Site_IFS

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

REPLY TO:

CADILLAC DISTRICT OFFICE
120 CHAPIN ST W
CADILLAC MI 49601

January 21, 1998

Mr. Troy L. Broad
Elmer's Crane & Dozer
P.O. Box 6150
Traverse City, MI 49685-6150

Dear Mr. Broad:

SUBJECT: Approval of Cleanup Activities at 1689 Park Drive, Grand Traverse County

Thank you for your cooperation with the investigation and cleanup of the floor drains and discharge tile at Elmer's former painting shop. The excavation of soil adjacent to the building, where the floor drain tile exited, proved to be clean. The sample's analytical results were below residential criteria for the metals and were non-detect for the volatile organic compounds targeted. Eight cubic yards of contaminated soil and floor drain sediment were disposed at Glen's Landfill.

The drain's discharge pipe was capped and the building is no longer being used as a paint shop. Floor drains are not permitted unless they empty into a holding tank or into the sanitary sewer system. The floor drain system in this building should be modified to meet these requirements.

In accordance with the Environmental Response Division Policy 89-1, no threat exists to the groundwater, or to the public health, safety, and welfare. This small release clean up meets the requirements of the Natural Resources and Environmental Protection Act 451 of 1994, Part 201, Memorandum #8, Rev. 4: Generic Residential Cleanup Criteria. With the concurrence of the district supervisor, staff recommends closure.

This closure pertains only to the disclosed environmental conditions. The Department of Environmental Quality makes no warranty or guarantee as to the conditions of the remainder of the site.

Please contact me at the Cadillac District office should you have any questions or concerns regarding this matter.

Sincerely,

John D. Vanderhoof

John D. Vanderhoof
Environmental Quality Analyst
Environmental Response Division
616-775-3960 Ext. 6307

District Supervisor Concurrence: Daniel W. Darnell

Daniel W. Darnell

Elmer's
CRANE & DOZER ENGINEERING SURVEYING
ESPHALT CONCRETE GRAVEL
P.O. BOX 6150 - 3600 RENNIE SCHOOL RD. - TRAVERSE CITY, MI 49685-6150 • PHONE (616) 943-3443 • 1-800-3ELMERS • FAX (616) 943-8975

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 3

DATE: 7-23-97

TO:
Dept. of Environmental Quality
Attn: John Vanderhoof 616-775-1511

FROM:
Kelly - Elmers for Troy Broad

MESSAGE:
Following are the forms from Glen's Landfill for the removal of 8 yds. of contamined soil. We cleaned the pile as well as cleaned out the drains.

Please call if you have any questions or require any further information. Upon closure, could you please send us a letter for our files?

Thank You!

MAILED ORIGINAL ☐

IF YOU DID NOT RECEIVE ALL OF THE PAGES OR FIND THAT THEY ARE NOT LEGIBLE, PLEASE CALL BACK AS SOON AS POSSIBLE.

NAME: Troy 443-3443
ADDRESS: Elmers
Dewight.

DATE 4/7/97

JOB LOCATION: Fork St.
old Paint Bld

Quantity ..... 10 (yd)/Ton
Price Quoted 24.00
Special Handling ..
DNR Contact ... John Vanderwoot
Arrival Date .....
Landfill Contact ..
Job Type .. Bapin Excavation
Manifest Rec'd. ..

HAULER: Elmers

BILL TO: Elmers
Need PO #
2674

☐ CASH ☑ CREDIT ☐ OK'D

ok DJ

GLEN'S LANDFILL
P.O. Box 6249, Traverse City, MI 49685-6249
Phone 616-228-5196

THIS QUOTE GOOD FOR 60 DAYS
CALL TO RE-CONFIRM

Thanks
Troy

MAILED ORIGINAL ☐

IF YOU DID NOT RECEIVE ALL OF THE PAGES OR FIND THAT THEY ARE NOT LEGIBLE, PLEASE CALL BACK AS SOON AS POSSIBLE.

040797-1

Please complete all applicable sections of this form. Instructions are printed on the back of the form. If you have questions regarding appropriate test parameters contact the landfill agent.

Glen's Sanitary Landfill, Inc.
A subsidiary of United Waste Systems
P.O. Box 148, Maple City, MI 49664
(616) 228-5196

TYPE II WASTE ACCEPTANCE APPLICATION

Generator Name: Elmer's Crane & Dozer, Inc.

Address: 1689 Park Drive
Traverse City, Mi. 49684

Telephone: (616) 943-3443

Generator Contact: Troy Broad

General Material Description: Fill Mixed with Drain Material

Process Generating Waste: Floor Drain From Paint Shop

Waste Quantities:
Units: ☐ Drums ☒ Cubic Yds ☐ Tons

PO# 26674

Frequency of Receipt:
☐ Daily ☐ Weekly ☒ One Time ☐ Other

2400 gal

Company Hauling Waste: Elmer's Crane & Dozer, Inc.

Contact Person: Troy Broad

Phone #: 616, 943 3443

Other Information:

Delivery Method:
☒ Bulk
☐ Drum
☐ Other

Regulatory Agency Contacted:
☐ Yes
☐ No
Contact Person: John VanDenHeuvel
Phone #:

Waste Characterization Information Provided (e.g.: Material Safety Data Sheets):
☒ Yes
☐ No

1. Physical Properties:

A. Physical State at 70° F:
☐ Solid
☐ Semisolid
☐ Liquid - not accepted

B. Density _____ lb./Cubic Yd.

C. Color: _____

D. Flash Point: _____ °F (liquids only)

E. Odor: ☐ No ☐ Yes

F. Water Content _____ % by Weight

G. pH _____

H. Paint Filter Test:
☐ Passed
☐ Failed

4/29/ 8-yds.

2. Chemical Properties - Toxicity Characteristic Leaching Procedure (TCLP) in mg/l.
(Attach TC list constituent/concentration/regulatory level)

3. Total Constituent Concentration (mg/l)

Benzene	___	Xylene	___	Ethyl Benzene	___	_____	___
Toluene	___						

GENERATOR CERTIFICATION

To the best of my knowledge, the information provided above is accurate and the material is not classified as a hazardous waste in accordance with current regulations.

Authorized Representative: Troy Broad Date: 4/29/97

GLEN'S SANITARY LANDFILL APPROVAL:

Landfill Agent: Rebecca Mahoney Date: 4/29/97

President _____ Date: _____

KF100 8/30/91 WHITE-Landfill Office GREEN-Landfill Billing Copy YELLOW-Transporter PINK-Generator GOLD-Generator

Elmer's
CRANE & DOZER ENGINEERING SURVEYING
ASPHALT CONCRETE GRAVEL
P.O. BOX 8150 · 3800 REMNIE SCHOOL RD. · TRAVERSE CITY, MI 49685-8150 · PHONE (616)943-3443 · 1-800-ELMERS · FAX (616)943-8975

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 5

TO: MDEQ
FROM: Troy L. Beard
ATTENTION: John VanDenHoff
DATE & TIME: 4/25/97
FAX NUMBER: 1-616-775-9401 1511

MESSAGE:

Enclosed is results from site on Park Dr. Have contracted Glenn's & getting approval on disposal will let you know the yardage & date we haul when accepted. Any questions please call

Thanks,
Troy

MAILED ORIGINAL ☐

IF YOU DID NOT RECEIVE ALL OF THE PAGES OR FIND THAT THEY ARE NOT LEGIBLE, PLEASE CALL BACK AS SOON AS POSSIBLE.

SOS analytical
3188 LAFRANIER ROAD • TRAVERSE CITY, MICHIGAN 49686 • (616) 946-6767 • FAX (616) 946-8741

COMPANY:	ELMERS	ANALYSIS NO:	970286 - 1
PROJECT NO:	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1689 PARK DRIVE, TC	SAMPLE NO:	BOTTOM
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	KC/MR	ANALYSIS COMPLETED:	4/8/97

EPA 5030/8260 VOLATILE ORGANICS - BTEX + TMB

	CONCENTRATION* UNITS = ug/Kg (PPB)	LOD UNITS = ug/Kg (PPB)
BENZENE	ND	10
TOLUENE	ND	10
ETHYLBENZENE	ND	10
XYLENE (TOTAL)	ND	30
1,2,4-TRIMETHYLBENZENE	ND	10
1,3,5-TRIMETHYLBENZENE	ND	10

LOD = LIMIT OF DETECTION -ELEVATED LOD'S INDICATE A DILUTION, MINIMUM LOD'S AVAILABLE UPON REQUEST.
*CONCENTRATION FOR SOILS/SOLIDS BASED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED

APPROVED BY: _____
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

SOS analytical
3188 LAFRANIER ROAD · TRAVERSE CITY, MICHIGAN 49686 · (616) 946-6767 · FAX (616) 946-6741

COMPANY:	ELMERS	ANALYSIS NO:	970286 - 1
PROJECT NO:	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1689 PARK DRIVE, TC	SAMPLE NO:	BOTTOM
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	MR	ANALYSIS COMPLETED:	4/3/97

TOTAL METALS

	CONCENTRATION UNITS = mg/Kg (PPM)	LIMIT OF DETECTION UNITS = mg/Kg (PPM)
CADMIUM EPA 7131 GFAA	ND	0.05
CHROMIUM EPA 7190 FLAA	3.7	2.5
COPPER EPA 7210 FLAA	2	1
LEAD EPA 7421 GFAA	1.4	0.1
ZINC EPA 7950 FLAA	9	1

ND = NOT DETECTED
DIGESTION METHOD = EPA 3050
GFAA = GRAPHITE FURNACE ATOMIC ABSORPTION
FLAA = FLAME ATOMIC ABSORPTION

APPROVED BY: _____
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

SOS analytical
3188 LAFRANIER ROAD • TRAVERSE CITY, MICHIGAN 49686 • (616) 946-8767 • FAX (616) 946-8741

COMPANY:	ELMERS	ANALYSIS NO:	970286 - 2
PROJECT NO:	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1689 PARK DRIVE, TC	SAMPLE NO:	N. SIDE
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	MR	ANALYSIS COMPLETED:	4/3/97

TOTAL METALS

	CONCENTRATION UNITS = mg/Kg (PPM)	LIMIT OF DETECTION UNITS = mg/Kg (PPM)
CADMIUM EPA 7131 GFAA	ND	0.05
CHROMIUM EPA 7190 FLAA	4.0	2.5
COPPER EPA 7210 FLAA	1	1
LEAD EPA 7421 GFAA	2.0	0.1
ZINC EPA 7950 FLAA	11	1

ND = NOT DETECTED
DIGESTION METHOD = EPA 3050
GFAA = GRAPHITE FURNACE ATOMIC ABSORPTION
FLAA = FLAME ATOMIC ABSORPTION

APPROVED BY: _____
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

SOS ANALYTICAL, INC. IS CERTIFIED FOR COMPLIANCE MONITORING UNDER THE SAFE DRINKING WATER ACT.

SOS analytical
3186 LAFRANIER ROAD · TRAVERSE CITY, MICHIGAN 49686 · (616) 946-6767 · FAX (616) 946-6741

COMPANY:	ELMERS	ANALYSIS NO:	970286 - 3
PROJECT NO:	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1689 PARK DRIVE, TC	SAMPLE NO:	S. SIDE
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	MR	ANALYSIS COMPLETED:	4/3/97

TOTAL METALS

	CONCENTRATION UNITS = mg/Kg (PPM)	LIMIT OF DETECTION UNITS = mg/Kg (PPM)
CADMIUM EPA 7131 GFAA	ND	0.05
CHROMIUM EPA 7190 FLAA	3.3	2.5
COPPER EPA 7210 FLAA	1	1
LEAD EPA 7421 GFAA	1.5	0.1
ZINC EPA 7950 FLAA	8	1

ND = NOT DETECTED
DIGESTION METHOD = EPA 3050
GFAA = GRAPHITE FURNACE ATOMIC ABSORPTION
FLAA = FLAME ATOMIC ABSORPTION

APPROVED BY: _____
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

Elmer's

An Equal Opportunity Employer

3600 RENNIE SCHOOL RD. • P.O. BOX 6150
TRAVERSE CITY, MI 49685-6150
PHONE (616) 943-3443
FAX (616) 943-8975

TO: DEPT. OF ENVIRONMENTAL QUALITY FROM: TROY L. BROAD

ATTENTION: JOHN VANDERHOOF DATE & TIME: APRIL 11, 1997

FAX NUMBER: 616-775-1511 TOTAL PAGES: 5

If complete message is not received, please advise sender. Thank you.

MESSAGE: JOHN:

THESE ARE THE RESULTS OF THE SOIL ANALYSIS BY THE PAINT SHOP ON PARK DRIVE.

I WILL BE OFF NEXT WEEK ON VACATION, BUT WILL BE BACK IN THE OFFICE ON THE 21ST.

IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CONTACT ME.

SINCERELY,

TROY L. BROAD

all below Stoddard

SOS analytical
3188 LAFRANIER ROAD • TRAVERSE CITY, MICHIGAN 49686 • (616) 946-6767 • FAX (616) 946-8741

COMPANY:	ELMERS	ANALYSIS NO:	970286 - 1
PROJECT NO:	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1889 PARK DRIVE, TC	SAMPLE NO:	BOTTOM
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	KC/MR	ANALYSIS COMPLETED:	4/8/97

EPA 5030/8260 VOLATILE ORGANICS - BTEX + TMB

	CONCENTRATION* Units = ug/Kg (PPB)	LOD Units = ug/Kg (PPB)
BENZENE	ND	10
TOLUENE	ND	10
ETHYLBENZENE	ND	10
XYLENE (TOTAL)	ND	30
1,2,4-TRIMETHYLBENZENE	ND	10
1,3,5-TRIMETHYLBENZENE	ND	10

LOD = LIMIT OF DETECTION -ELEVATED LOD'S INDICATE A DILUTION, MINIMUM LOD'S AVAILABLE UPON REQUEST.
*CONCENTRATION FOR SOILS/SOLIDS BASED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED

APPROVED BY: _____
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

Post-it® Fax Note 7671	Date 4-8	# of pages ▶ 4
To: Troy Broad	From: Shanna	
Co./Dept. Elmers	Co. SOS	
Phone #	Phone #	
Fax #	Fax #	

SOS ANALYTICAL, INC. IS CERTIFIED FOR COMPLIANCE MONITORING UNDER THE SAFE DRINKING WATER ACT.

SOS analytical
3188 LAFRANIER ROAD - TRAVERSE CITY, MICHIGAN 49686 - (616) 946-5767 - FAX (616) 946-5741

COMPANY:	ELMERS	ANALYSIS NO:	070286 - 1
PROJECT NO:	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1689 PARK DRIVE, TC	SAMPLE NO:	BOTTOM
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	MR	ANALYSIS COMPLETED:	4/3/97

TOTAL METALS

	CONCENTRATION UNITS = mg/Kg (PPM)	20X	Default	LIMIT OF DETECTION UNITS = mg/Kg (PPM)
CADMIUM EPA 7131 GFAA	ND	~	~	0.05
CHROMIUM EPA 7190 FLAA	3.7	2	18	2.5
COPPER EPA 7210 FLAA	2	20	32	1
LEAD EPA 7421 GFAA	1.4	.08	21	0.1
ZINC EPA 7950 FLAA	9	48	47	1

ND = NOT DETECTED
DIGESTION METHOD = EPA 3050
GFAA = GRAPHITE FURNACE ATOMIC ABSORPTION
FLAA = FLAME ATOMIC ABSORPTION

APPROVED BY: Kirk L. Chase
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

SOS analytical
3188 LAFRANIER ROAD - TRAVERSE CITY, MICHIGAN 49686 - (616) 946-6767 - FAX (616) 946-9741

COMPANY:	ELMERS	ANALYSIS NO:	970288 - 2
PROJECT NO:	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1689 PARK DRIVE, TC	SAMPLE NO:	N. SIDE
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	MR	ANALYSIS COMPLETED:	4/3/97

TOTAL METALS

	CONCENTRATION UNITS = mg/Kg (PPM)	LIMIT OF DETECTION UNITS = mg/Kg (PPM)
CADMIUM EPA 7131 GFAA	ND	0.05
CHROMIUM EPA 7190 FLAA	4.0	2.5
COPPER EPA 7210 FLAA	1	1
LEAD EPA 7421 GFAA	2.0	0.1
ZINC EPA 7950 FLAA	11	1

ND = NOT DETECTED
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FLAA = FLAME ATOMIC ABSORPTION

APPROVED BY: K L Chase
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

SOS analytical
3188 LAFRANIER ROAD • TRAVERSE CITY, MICHIGAN 49686 • (616) 946-6757 • FAX (616) 946-8741

COMPANY:	ELMERS	ANALYSIS NO:	970286 - 3
PROJECT NO.	PARK DR. PAINT SHOP	DATE SUBMITTED:	4/2/97
LOCATION:	1689 PARK DRIVE, TC	SAMPLE NO:	S. SIDE
DATE SAMPLED:	4/2/97	SAMPLE TYPE:	SOIL
SAMPLED BY:	JOHN VANDERHOOF / MDEQ		
ANALYSIS BY:	MR	ANALYSIS COMPLETED:	4/3/97

TOTAL METALS

	CONCENTRATION UNITS = mg/Kg (PPM)	LIMIT OF DETECTION UNITS = mg/Kg (PPM)
CADMIUM EPA 7131 GFAA	ND	0.05
CHROMIUM EPA 7190 FLAA	3.3	2.5
COPPER EPA 7210 FLAA	1	1
LEAD EPA 7421 GFAA	1.5	0.1
ZINC EPA 7950 FLAA	8	1

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DIGESTION METHOD = EPA 3050
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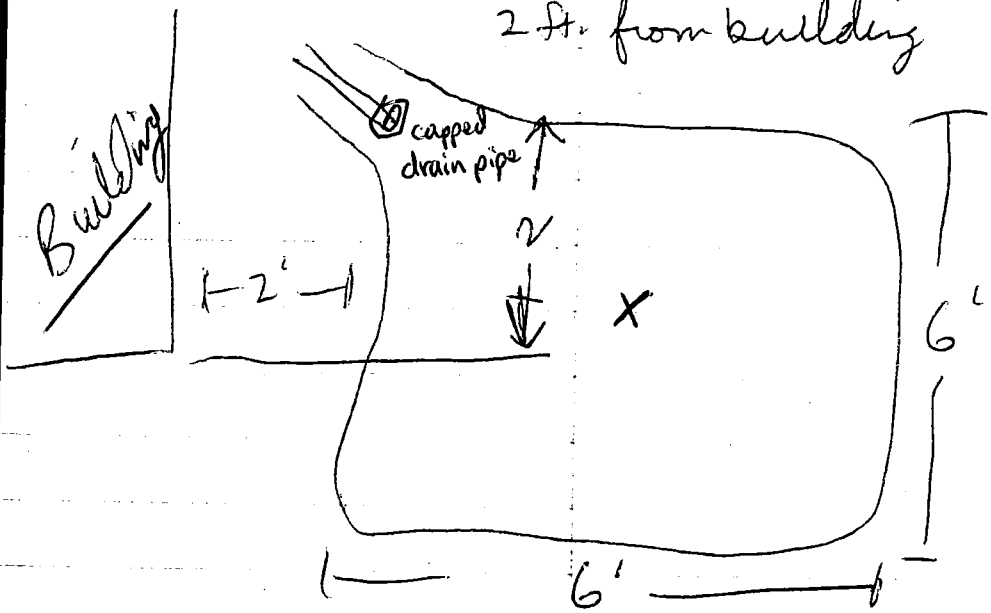
FLAA = FLAME ATOMIC ABSORPTION

APPROVED BY: K. L. Chase
KIRK L. CHASE
CHEMIST / VICE PRESIDENT

Return DD

Elmer's 1689 Pack Drive

Met w/ Troy Brood - Selling or renting Bldg
Floor drain not cleaned out yet.
(He will do this before transporting soil).



X - Bottom sample 4'6" from surface
↳ 5' deep

N - sidewall 3' b.g.

S - sidewall 3'6" b.g.

Wait on landfill acceptance and analytical results.

Samples taken to SOS analytical by Troy.

John V.
4/2/97

TELEPHONE RECORD

Date: March 25, 1997

Name of Caller or Person Contacted: Troy Broad (633-3025 / mobile; 943-5525 Troy's #)

Affiliation: Elmer's Crane & Dozer

Subject: Park Drive Cleanup.

File Name, County:

Summary of Discussion: He needs to know what to analyze the pile for and the hole for to get closure.

Cadmium was high in floodrain sludge.

For disposal: whatever the landfill requires.

All troy

For cleanup closure: 1 bottom & 2 sidewall (Fresh) - I would help collect. 5 Metals and BTEX plus trimethyl & MeOH.

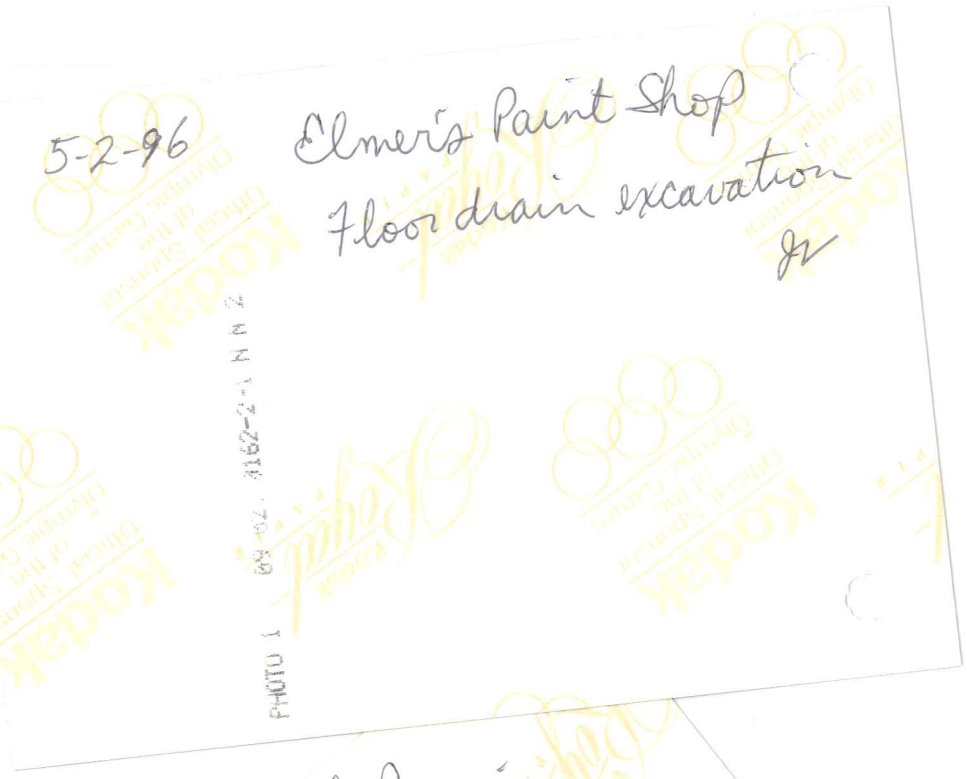
3/26 5 metals + VOL. He will get sample jars. Meet on site on Monday at 10:30.

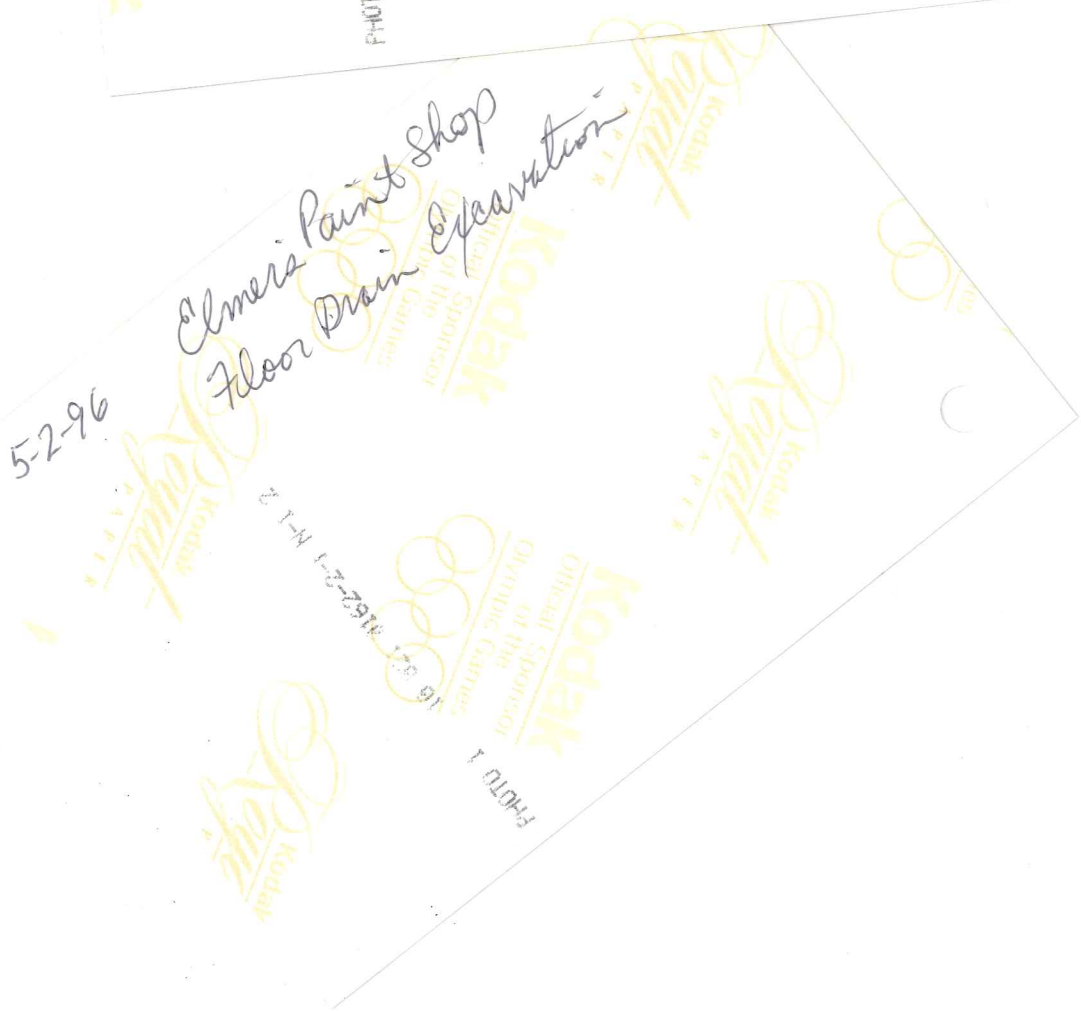
Signature: John Vanderhoof

Page ____ of ____


96 5 2


96 5 2


5-2-96
Elmer's Paint Shop
Floor drain excavation
jr


5-2-96
Elmer's Paint Shop
Floor Drain Excavation

3/6/97

Park Drive

Need to take samples
- location,

What to test for

Troy Broad

They have not done anything with the hole or material.

let him know

7/18(?) Left msg asking for results

Elmers 943-3443

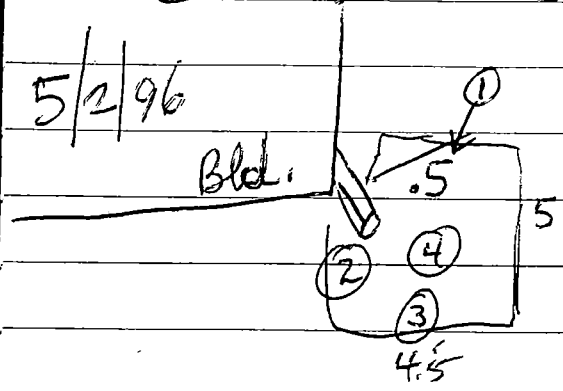
10/1 visit - still open hole?

10/24 → left msg w/ secr. - Call Mo

Return DP

Elmer's Paint Shop - Park Drive

5/2/96



1) 2 ft deep .5
2) undkt pipe 8.2
3) North side 2.4
4) bottom 3' 50.0
5) bottom 4' 0.0

Elmer's on site with backhoe and shovel. End of pipe was exposed, only 3' from the corner of the building. There was a small amount of stained soil, which was removed and stockpiled on plastic. Additional soil was removed based upon PID sampling. Excavation was only about 5'×5' by 4' deep. It did not appear that drain had been used for much water. It appeared to be plugged, and there was standing water in the floor drains inside the building, above the sediment. Requested analytical, metals on sludge and on the waste pile. Also removed stained soil from parking area.

John Vanderhoof

Talked to DD re: Jim McLaughlin

TELEPHONE RECORD

Date: April 25, 1996

Name of Caller/Person Contacted: (Troy Broad)

Affiliation: Elmers C & D

File Name, County: Elmers

Summary of Discussion: Built in 1980's by for Elmers
1689 Park Drive is parents home address.
Property should have its own address.
" 616-943-8975 Fax analytical "
He will get address of shop for me.
Asked that the analytical results be
Faxed to him.

4/26 Left Troy another message about scheduling excavation.
Returned call - Set Thursday May 2 to start
excavation. Told him not to mix drain waste with
soil.

(Larry Elmleaf - C&E)

4/30 Mailing address P.O. Box 6150, 49685

Signature: John V.

MICHIGAN DEPARTMENT
OF ENVIRONMENTAL QUALITY
8015 Mackinaw Trail
Cadillac, Michigan 49601

Telephone: 616-775-9727
Facsimile: 616-775-9671

FACSIMILE COVER SHEET

To: Troy Broad

Company: Elmer's

Fax: 616-943-8975

From: John Vanderhoof 6307
Ext. #

Division: ENVIRONMENTAL RESPONSE DIVISION

Date: APR 2 5 1996

8
# of pgs. - including cover sheet

COMMENTS:

Joanne

Please fax to Elmers (Troy Broad) at number on top sheet ↓

JV ES

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

APR 15 1996

REPORT Environmental Response Div.
TO District #6
8015 S. Mackinaw Trail
Cadillac, MI 49601
ATTEN JOHN VANDERHOOF

LABORATORY WORK ORDER # 96-03-065
WORK ID ELMERS ON PARK DR.
P.O. # ** COST $ 437.90
RECEIVED 03/12/96 CLIENT ER_CADILLAC
REPORTED _____ NUMBER OF SAMPLES 2
LAB CONTACT OR_IN MATRIX SEDIMENT/SOIL

TEST / UNITS	CENTER DRAIN	EAST DRAIN	20X D.W. ug/kg (PPM)	Default PPM
20 Cadmium in Sediment mg/kg (dry)	77	8.5	100 (1)	1.2
Chromium in Sediment mg/kg (dry)	32	35	2000 (2.0)	18
Copper in Sediment mg/kg (dry)	39	35	20,000 (20)	32
Nickel in Sediment mg/kg (dry)	5.5	8.5	2000 (2)	20
Lead in Sediment mg/kg (dry)	50	54	80 (.08)	21
Total Solids - Inorganic %TS	72.4	71.7		
Zinc in Sediment mg/kg (dry)	340	310	48,000 (48)	47

Report prepared By: O Hartig 4-11-96

APR 15 1996

Page 2 DEQ Laboratory REPORT Work Order # 96-03-065
Received: 03/12/96 Results by Sample

SAMPLE ID CENTER DRAIN FRACTION 01A TEST CODE S_WMD NAME SEDIMENT 8260 PLUS CMPDS.
Date & Time Collected 03/08/96 Category

ANALYST GRINWIS Total Solids 68 %
ANALYZED 03/12/96
DILUTION 91 UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
75-71-8	Dichlorodifluoromethane	ND		1400
74-87-3	Chloromethane	ND		1400
75-01-4	Vinyl chloride	ND		1400
74-83-9	Bromomethane	ND		1400
75-00-3	Chloroethane	ND		1400
75-69-4	Trichlorofluoromethane	ND		1400
67-64-1	2-Propanone (Acetone)	ND		6800
60-29-7	Diethyl ether	ND		1400
75-35-4	1,1-Dichloroethene	ND		680
74-88-4	Methyl iodide	ND		680
107-13-1	Acrylonitrile	ND		680
75-09-2	Methylene chloride	ND		1400
75-15-0	Carbon disulfide	ND		1400
156-60-5	trans-1,2-Dichloroethene	ND		680
1634-04-4	Methyltertbutylether (MTBE)	ND		1400
75-34-3	1,1-Dichloroethane	ND		680
108-05-4	Vinyl acetate	ND		1400
78-93-3	2-Butanone (MEK)	ND		1400
156-59-2	cis-1,2-Dichloroethene	ND		680
67-66-3	Chloroform	ND		680
74-97-5	Bromochloromethane	ND		680
71-55-6	1,1,1-Trichloroethane	ND		680
107-06-2	1,2-Dichloroethane	ND		680
71-43-2	Benzene	ND		680
56-23-5	Carbon tetrachloride	ND		680
78-87-5	1,2-Dichloropropane	ND		680
79-01-6	Trichloroethene	ND		680
74-95-3	Dibromomethane	ND		680
75-27-4	Bromodichloromethane	ND		680
591-78-6	2-Hexanone	ND		1400
10061-01-5	cis-1,3-Dichloropropene	ND		680
10061-02-6	trans-1,3-Dichloropropene	ND		680
108-88-3	Toluene	750		680
79-00-5	1,1,2-Trichloroethane	ND		680
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1400
124-48-1	Dibromochloromethane	ND		680
106-93-4	1,2-Dibromoethane	ND		680
127-18-4	Tetrachloroethene	ND		680
630-20-6	1,1,1,2-Tetrachloroethane	ND		680
108-90-7	Chlorobenzene	ND		680
100-41-4	Ethylbenzene	ND		680

SAMPLE ID CENTER DRAIN FRACTION 01A TEST CODE S_WMD NAME SEDIMENT 8260 PLUS CMPDS.
Date & Time Collected 03/08/96 Category

108-38-3 & 106-42-3	m & p Xylene	980		680
75-25-2	Bromoform	ND		680
100-42-5	Styrene	ND		680
95-47-6	o-Xylene	4800		680
79-34-5	1,1,2,2-Tetrachloroethane	ND		680
96-18-4	1,2,3-Trichloropropane	ND		680
110-57-6	trans-1,4-Dichloro-2 butene	ND		680
98-82-8	Isopropylbenzene	7600		680
103-65-1	n-Propylbenzene	26000		680
108-67-8	1,3,5-Trimethylbenzene	76000	DL, J	6700
95-63-6	1,2,4-Trimethylbenzene	310000	DL, J	6700
541-73-1	1,3-Dichlorobenzene	ND		680
106-46-7	1,4-Dichlorobenzene	ND		680
95-50-1	1,2-Dichlorobenzene	ND		680
67-72-1	Hexachloroethane	ND		680
96-12-8	1,2-Dibromo-3-chloropropane	ND		1400
120-82-1	1,2,4-Trichlorobenzene	ND		1400
91-20-3	Naphthalene	1200	T	1400
91-57-6	2-Methylnaphthalene	ND		1400

Sample Comments:
MANY LATE UNiD PEAKS

ND = not detected at the specified detection limit.

SAMPLE ID EAST DRAIN FRACTION 02A TEST CODE S_WMD NAME SEDIMENT 8260 PLUS CMPDS.
Date & Time Collected 03/08/96 Category

ANALYST GRINWIS
ANALYZED 03/12/96
DILUTION 99.6

Total Solids 70 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
75-71-8	Dichlorodifluoromethane	ND		1400
74-87-3	Chloromethane	ND		1400
75-01-4	Vinyl chloride	ND		1400
74-83-9	Bromomethane	ND		1400
75-00-3	Chloroethane	ND		1400
75-69-4	Trichlorofluoromethane	ND		1400
67-64-1	2-Propanone (Acetone)	ND		7000
60-29-7	Diethyl ether	ND		1400
75-35-4	1,1-Dichloroethene	ND		700
74-88-4	Methyl iodide	ND		700
107-13-1	Acrylonitrile	ND		700
75-09-2	Methylene chloride	ND		1400
75-15-0	Carbon disulfide	ND		1400
156-60-5	trans-1,2-Dichloroethene	ND		700
1634-04-4	Methyltertbutylether (MTBE)	ND		1400
75-34-3	1,1-Dichloroethane	ND		700
108-05-4	Vinyl acetate	ND		1400
78-93-3	2-Butanone (MEK)	ND		1400
156-59-2	cis-1,2-Dichloroethene	ND		700
67-66-3	Chloroform	ND		700
74-97-5	Bromochloromethane	ND		700
71-55-6	1,1,1-Trichloroethane	ND		700
107-06-2	1,2-Dichloroethane	ND		700
71-43-2	Benzene	ND		700
56-23-5	Carbon tetrachloride	ND		700
78-87-5	1,2-Dichloropropane	ND		700
79-01-6	Trichloroethene	ND		700
74-95-3	Dibromomethane	ND		700
75-27-4	Bromodichloromethane	ND		700
591-78-6	2-Hexanone	ND		1400
10061-01-5	cis-1,3-Dichloropropene	ND		700
10061-02-6	trans-1,3-Dichloropropene	ND		700
108-88-3	Toluene	1400		700
79-00-5	1,1,2-Trichloroethane	ND		700
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1400
124-48-1	Dibromochloromethane	ND		700
106-93-4	1,2-Dibromoethane	ND		700
127-18-4	Tetrachloroethene	ND		700
630-20-6	1,1,1,2-Tetrachloroethane	ND		700
108-90-7	Chlorobenzene	ND		700
100-41-4	Ethylbenzene	ND		700

APR 15 1996

SAMPLE ID EAST DRAIN FRACTION 02A TEST CODE S_WMD NAME SEDIMENT 8260 PLUS CMPDS.
Date & Time Collected 03/08/96 Category

108-38-3 & 106-42-3	m & p Xylene	1500		700
75-25-2	Bromoform	ND		700
100-42-5	Styrene	ND		700
95-47-6	o-Xylene	2100		700
79-34-5	1,1,2,2-Tetrachloroethane	ND		700
96-18-4	1,2,3-Trichloropropane	ND		700
110-57-6	trans-1,4-Dichloro-2 butene	ND		700
98-82-8	Isopropylbenzene	2400		700
103-65-1	n-Propylbenzene	8300		700
108-67-8	1,3,5-Trimethylbenzene	30000		700
95-63-6	1,2,4-Trimethylbenzene	ND		700
541-73-1	1,3-Dichlorobenzene	ND		700
106-46-7	1,4-Dichlorobenzene	ND		700
95-50-1	1,2-Dichlorobenzene	ND		700
67-72-1	Hexachloroethane	ND		700
96-12-8	1,2-Dibromo-3-chloropropane	ND		1400
120-82-1	1,2,4-Trichlorobenzene	ND		1400
91-20-3	Naphthalene	ND		1400
91-57-6	2-Methylnaphthalene	ND		1400

Sample Comments:
MANY LATE UNiD PEAKS

ND = not detected at the specified detection limit.

DNR

MICH AN DEPT. OF NATURAL RESOURC
ENVIRONMENTAL LABORATORY
ANALYSIS REQUEST SHEET

APR 1 5 1996

**** SAFETY WARNING ****
YES / NO - INFO ON BACK

MATRIX = SEDIMENT / SOIL

LAB ORDER # 96 03-005 PRIORITY H RECEIVED AT LAB BY DH DATE TIME 3/12/96 1030 AM PM

SUBMITTER DIVISION ERD DISTRICT OR OFFICE Cadillac CONTACT PERSON FOR QUESTIONS JOHN VANDERHOOF PHONE (616)-775-9727 Ext 6307

LOCATION SAMPLED Elmers on Park Dr. COLLECTED BY Vanderhoof/McLaughlin DELIVERED BY Fed X

ACCEPT "HT" CODE YES / NO SEND RESULTS TO ATTENTION OF Same AT ADDRESS (if different than above office)

INDEX 47409 PCA 32511 PROJECT 453433 PH

SAMPLE REMARKS:

SAMPLE NO.	FIELD ID OR DESCRIPTION	SAMPLE COLLECTED YY/MM/DD	HH:MM	SAMPLE INFORMATION
01	Center Drain	96/03/08	10:45	Floordrain of Painting Shop
02	East Drain	96/03/08	11:00	" "
03				
04				
05				
06				
07				
08				

GENERAL CHEMISTRY

GS
COD 1 2 3 4 5 6 7 8
KJEL N, Tot P 1 2 3 4 5 6 7 8
Phenolics 1 2 3 4 5 6 7 8
Total CN 1 2 3 4 5 6 7 8
% Total Solids 1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8

ORGANIC

POV VOLATILES
8260 (Sc 1,2) 1 2 3 4 5 6 7 8
BTEX (only) 1 2 3 4 5 6 7 8
8260 plus 1 2 3 4 5 6 7 8

OS PEST & PCB
8081/8121, (Sc 3) 1 2 3 4 5 6 7 8
PCB (only) 1 2 3 4 5 6 7 8

8270 (BN) 1 2 3 4 5 6 7 8

SPECIAL REQUESTS
Lib. Search (Qualitative)
Volatiles 1 2 3 4 5 6 7 8
Base Neutral 1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8

INORGANIC

MS
Ca Mg Na K 1 2 3 4 5 6 7 8
Cd Cr Cu Ni Pb Zn 1 2 3 4 5 6 7 8
Fe Co Li Mn 1 2 3 4 5 6 7 8
Al Ba Be Mo Ti V 1 2 3 4 5 6 7 8
Hg - Mercury 1 2 3 4 5 6 7 8
As - Arsenic 1 2 3 4 5 6 7 8
Se - Selenium 1 2 3 4 5 6 7 8
Sr - Strontium 1 2 3 4 5 6 7 8
Ag - Silver 1 2 3 4 5 6 7 8
Tl - Thallium 1 2 3 4 5 6 7 8
% Total Solids 1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8

Subject: Laboratory Result Remark Codes

APR 15 1996

A	value reported is the mean of two or more determinations.
C	value calculated from other independent parameters.
J	estimated value or value not accurate.
K	actual value is known to be less than the value given, i.e. substance, if present, is below detection limit.
L	actual value is known to be greater than the value given.
T	value reported is less than criteria of detection.
W	value observed is less than lowest value reportable under **"T"** code.
DL	sample analyzed using a dilution(s).
DM	dilution required due to matrix problems.
HT	recommended laboratory holding time was exceeded before analysis.
LH	Q. C. indicated possible low recovery. Actual level may be higher.
LL	Q. C. indicated possible high recovery. Actual level may be lower.
MM	analytical method or matrix is not within SOP of this laboratory.
NC	no confirmation by a second technique.
NH	non-homogeneous sample made analysis of a representative sample questionable.
PI	possible interference may have affected the accuracy of the laboratory result.
QC	quality control problems exists.
RB	Reagent Blank. The level of reagent blank contamination is reported in the comment column and may be subtracted from the analyte value by the user.
ST	recommended sample collection/preservation technique not used.
ACC	laboratory accident resulted in no obtainable value.
FCN	free cyanide was not analyzed due to low level of total cyanide.
INT	interference encountered during analysis resulted in no obtainable value.
IST	Improper sample collection/preservation. Sample not suitable for analysis.
NAV	requested analysis not available.
QNS	quantity not sufficient to perform requested analysis.
STR	settleable residue was not analyzed due to low suspended solids.

Approved by: _____ George Su, Laboratory Director — 1/5/95 Date

DEQ

MI DNR CADILLAC Fax:616-775-9671

** Transmit Conf.Report **

Apr 25 '96 15:15

MI DNR CADILLAC ---> 16169438975	
No.	0009
Mode	NORMAL
Time	4'44"
Pages	8 Page(s)
Result	O K

TELEPHONE RECORD

Date: April 16, 1996

Name of Caller/Person Contacted: Troy Broad

Affiliation: Elmer's Crane and Dozer

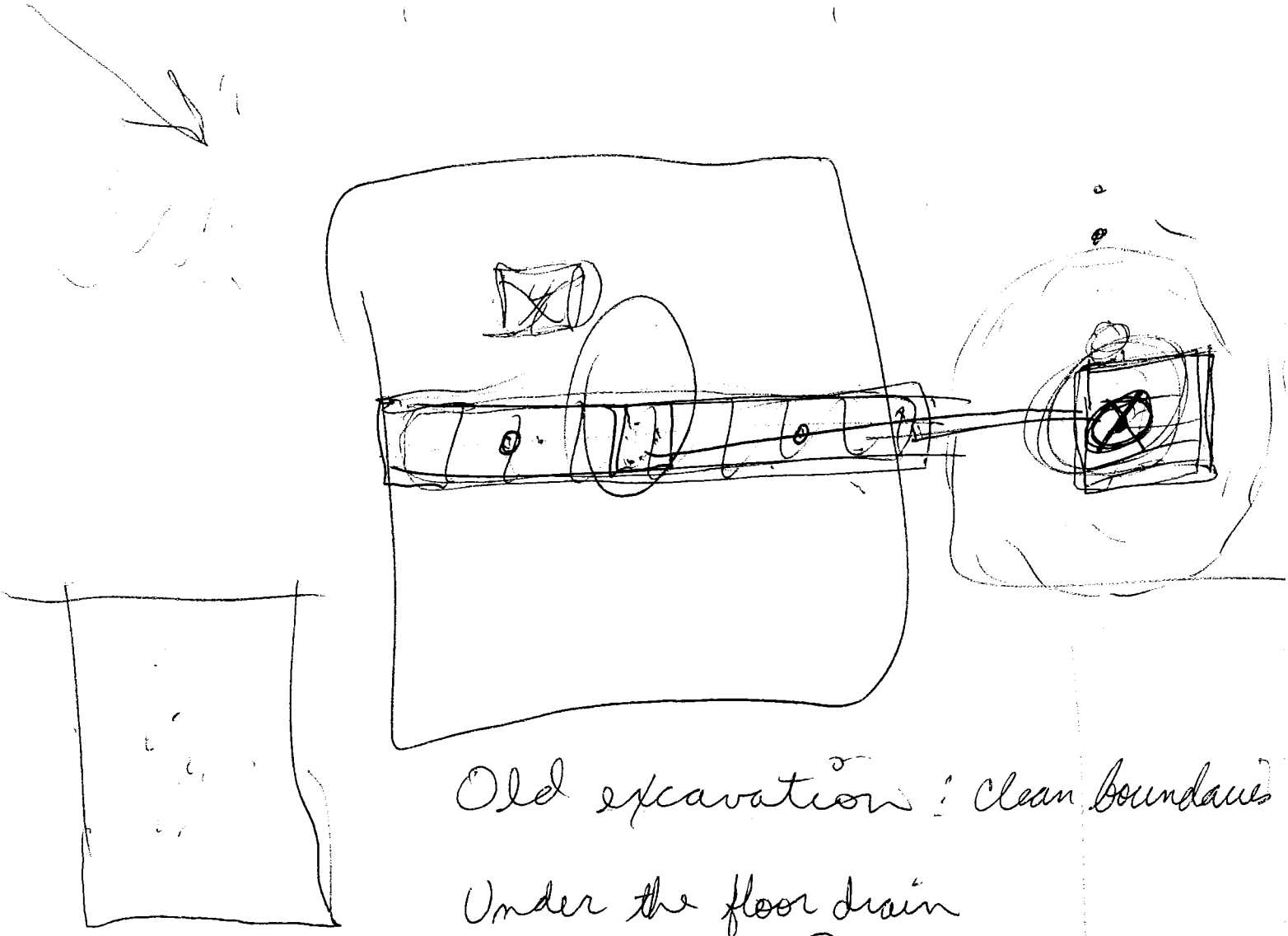
File Name, County: Elmer's on Park Drive

Summary of Discussion: Troy wanted to know what we would require to properly address the (illegal) drain system. Initially the drain needs to be cleaned, the waste needs to be tested by TCLP, since high Cadmium. Drain field needs to be remediated, with proper sampling protocol. He is going to contact Miss Dig - Can maybe start the initial work next week.

Did not discuss sampling under the drain, well installation under the tile field, or determining if site where old field was is clean.

Discuss when Troy calls next week

Signature: John V.



Old excavation : clean boundaries

Under the floor drain
sump area?

Egelers?

4-12-96 Elmer's on Park Drive

West side of building does look like recently (~last year) disturbed soil. Nothing yet has been done at this facility. Interior drains are still being used. Asked Dwight to let Tracy Broad know that I stopped by.

John

DD

TELEPHONE RECORD

Date: March 28, 1996

Name of Caller/Person Contacted: Troy Broad

Affiliation: Elmers C & D 943-3443

File Name, County: Brenda (Mobile) 616-633-3025

Summary of Discussion: Troy will check to see if their facility on Park Dune is connected to sewer. I asked that if/when any digging is done that I or a consultant be present. Also mentioned stained soils on drive would need to be addressed.

Told Ron the contaminants were found in the sediment in the floor drain. He will get back with me no later than tomorrow.

At this time we are making the assumption that there will be a problem in the tile field. We won't know until it is excavated.

4/5 Troy had left msg. I returned call, he was out.
4/8 Left another msg.
4/15 Another msg - Got his Mobile Phone #

Signature: John Vanderhoof

NOTE TO FILE

March 28, 1996

ELMER'S CRANE AND DOZER, PAINTING FACILITY, PARK DRIVE

Received analytical results for floor drain. Levels of volatile organic compounds indicate improper disposal of gasoline/fuel oil type. Talked with Jim McLaughlin (WMD) and Dick Christiansen (LAW). Environmental Response Division will take the lead, but will keep them informed.

Levels in the floor drain exceed levels protective of drinking water. (20XDW)

I will contact Elmer's to recommend that the floor drain be cleaned and the outlet be checked for contamination. Allegedly it empties into a drain field. They will have the option of having a consultant present during the excavation or myself.

John Vandenhoek

FAX
Russel Broad
943-3443 Elmer's

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

INCOMPLETE REPORT
Data Subject To Modification
Entire Final Report Will Follow

REPORT Environmental Response Div.
TO District #6
8015 S. Mackinaw Trail
Cadillac, MI 49601
ATTEN JOHN VANDERHOOF

LABORATORY WORK ORDER # 96-03-065
WORK ID ELMERS ON PARK DR.
P.O. # ** COST $ 437.90
RECEIVED 03/12/96 CLIENT ER CADILLAC
REPORTED _____ NUMBER OF SAMPLES 2
LAB CONTACT OR IN MATRIX SEDIMENT/SOIL

TEST / UNITS	CENTER DRAIN	EAST DRAIN
Cadmium in Sediment mg/kg (dry)	no data	no data
Chromium in Sediment mg/kg (dry)	no data	no data
Copper in Sediment mg/kg (dry)	no data	no data
Nickel in Sediment mg/kg (dry)	no data	no data
Lead in Sediment mg/kg (dry)	no data	no data
Total Solids - Inorganic %TS	72.4	71.7
Zinc in Sediment mg/kg (dry)	no data	no data

Report prepared By: _____

3.27.96

Debra Lee Bowers 3-27-96
UNIT APPROVAL

S Gregg
UNIT APPROVAL

DEQ Laboratory REPORT
Results by Sample

Work Order # 96-03-065

SAMPLE ID EAST DRAIN FRACTION 02A TEST CODE S_WMD NAME SEDIMENT 8260 PLUS CMPDS.
Date & Time Collected 03/08/96 Category

ANALYST GRIMMIS
ANALYZED 03/12/96
DILUTION 99.6

Total Solids 70 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
75-71-8	Dichlorodifluoromethane	ND		1400
74-87-3	Chloromethane	ND		1400
75-01-4	Vinyl chloride	ND		1400
74-83-9	Bromomethane	ND		1400
75-00-3	Chloroethane	ND		1400
75-69-4	Trichlorofluoromethane	ND		1400
67-64-1	2-Propanone (Acetone)	ND		7000
60-29-7	Diethyl ether	ND		1400
75-35-4	1,1-Dichloroethene	ND		700
74-88-4	Methyl iodide	ND		700
107-13-1	Acrylonitrile	ND		700
75-09-2	Methylene chloride	ND		1400
75-15-0	Carbon disulfide	ND		1400
156-60-5	trans-1,2-Dichloroethene	ND		700
1634-04-4	Methyltertbutylether (MTBE)	ND		1400
75-34-3	1,1-Dichloroethane	ND		700
108-05-4	Vinyl acetate	ND		1400
78-93-3	2-Butanone (MEK)	ND		1400
156-59-2	cis-1,2-Dichloroethene	ND		700
67-66-3	Chloroform	ND		700
74-97-5	Bromochloromethane	ND		700
71-55-6	1,1,1-Trichloroethane	ND		700
107-06-2	1,2-Dichloroethane	ND		700
71-43-2	Benzene	ND		700
56-23-5	Carbon tetrachloride	ND		700
78-87-5	1,2-Dichloropropane	ND		700
79-01-6	Trichloroethene	ND		700
74-95-3	Dibromomethane	ND		700
75-27-4	Bromodichloromethane	ND		700
591-78-6	2-Hexanone	ND		1400
10061-01-5	cis-1,3-Dichloropropene	ND		700
10061-02-6	trans-1,3-Dichloropropene	ND		700
108-88-3	Toluene	1400		700
79-00-5	1,1,2-Trichloroethane	ND		700
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1400
124-48-1	Dibromochloromethane	ND		700
106-93-4	1,2-Dibromoethane	ND		700
127-18-4	Tetrachloroethene	ND		700
630-20-6	1,1,1,2-Tetrachloroethane	ND		700
108-90-7	Chlorobenzene	ND		700
100-41-4	Ethylbenzene	ND		700

20X
16,000

DEQ Laboratory REPORT
Results by Sample

Work Order # 96-03-065
Continued From Above

SAMPLE ID CENTER DRAIN FRACTION 01A TEST CODE S WMD NAME SEDIMENT 8260 PLUS CMPDS.
Date & Time Collected 03/08/96 Category

108-38-3 & 106-42-3	m & p Xylene	980		680	
75-25-2	Bromoform	ND		680	
100-42-5	Styrene	ND		680	
95-47-6	o-Xylene	4800		680	
79-34-5	1,1,2,2-Tetrachloroethane	ND		680	
96-18-4	1,2,3-Trichloropropane	ND		680	
110-57-6	trans-1,4-Dichloro-2 butene	ND		680	
98-82-8	Isopropylbenzene	7600		680	
103-65-1	n-Propylbenzene	26000		680	
108-67-8	1,3,5-Trimethylbenzene	76000	DL, J	6700	600
95-63-6	1,2,4-Trimethylbenzene	310000	DL, J	6700	460
541-73-1	1,3-Dichlorobenzene	ND		680	
106-46-7	1,4-Dichlorobenzene	ND		680	
95-50-1	1,2-Dichlorobenzene	ND		680	
67-72-1	Hexachloroethane	ND		680	
96-12-8	1,2-Dibromo-3-chloropropane	ND		1400	
120-82-1	1,2,4-Trichlorobenzene	ND		1400	
91-20-3	Naphthalene	1200	T	1400	5200
91-57-6	2-Methylnaphthalene	ND		1400	

Sample Comments:
MANY LATE UNiD PEAKS

ND = not detected at the specified detection limit.

SAMPLE ID CENTER DRAIN FRACTION 01A TEST CODE S NMD NAME SEDIMENT 8260 PLUS CMPDS.
Date & Time Collected 03/08/96 Category

ANALYST GRIMMIS
ANALYZED 03/12/96
DILUTION 91

Total Solids 68 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
75-71-8	Dichlorodifluoromethane	ND	20 X DW	1400
74-87-3	Chloromethane	ND		1400
75-01-4	Vinyl chloride	ND		1400
74-83-9	Bromomethane	ND		1400
75-00-3	Chloroethane	ND		1400
75-69-4	Trichlorofluoromethane	ND		1400
67-64-1	2-Propanone (Acetone)	ND		6800
60-29-7	Diethyl ether	ND		1400
75-35-4	1,1-Dichloroethene	ND		680
74-88-4	Methyl iodide	ND		680
107-13-1	Acrylonitrile	ND		680
75-09-2	Methylene chloride	ND		1400
75-15-0	Carbon disulfide	ND		1400
156-60-5	trans-1,2-Dichloroethene	ND		680
1634-04-4	Methyltertbutylether (MTBE)	ND		1400
75-34-3	1,1-Dichloroethane	ND		680
108-05-4	Vinyl acetate	ND		1400
78-93-3	2-Butanone (MEK)	ND		1400
156-59-2	cis-1,2-Dichloroethene	ND		680
67-66-3	Chloroform	ND		680
74-97-5	Bromochloromethane	ND		680
71-55-6	1,1,1-Trichloroethane	ND		680
107-06-2	1,2-Dichloroethane	ND		680
71-43-2	Benzene	ND		680
56-23-5	Carbon tetrachloride	ND		680
78-87-5	1,2-Dichloropropane	ND		680
79-01-6	Trichloroethene	ND		680
74-95-3	Dibromomethane	ND		680
75-27-4	Bromodichloromethane	ND		680
591-78-6	2-Hexanone	ND		1400
10061-01-5	cis-1,3-Dichloropropene	ND		680
10061-02-6	trans-1,3-Dichloropropene	ND		680
108-88-3	Toluene	750	1/2,000	680
79-00-5	1,1,2-Trichloroethane	ND		680
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1400
124-48-1	Dibromochloromethane	ND		680
106-93-4	1,2-Dibromoethane	ND		680
127-18-4	Tetrachloroethene	ND		680
630-20-6	1,1,1,2-Tetrachloroethane	ND		680
108-90-7	Chlorobenzene	ND		680
100-41-4	Ethylbenzene	ND		680

Page 5 | DEQ Laboratory | REPORT | Work Order # 96-03-065
Received: 03/12/96 | Results by Sample | Continued From Above

SAMPLE ID EAST DRAIN | FRACTION 02A | TEST CODE S WMD | NAME SEDIMENT 8260 PLUS CMPDS
Date & Time Collected 03/08/96 | Category

108-38-3 & 106-42-3	m & p Xylene	1500		700
75-25-2	Bromoform	ND		700
100-42-5	Styrene	ND		700
95-47-6	o-Xylene	2100		700
79-34-5	1,1,2,2-Tetrachloroethane	ND		700
96-18-4	1,2,3-Trichloropropane	ND		700
110-57-6	trans-1,4-Dichloro-2 butene	ND		700
98-82-8	Isopropylbenzene	2400		700
103-65-1	n-Propylbenzene	8300		700
108-67-8	1,3,5-Trimethylbenzene	30000		700
95-63-6	1,2,4-Trimethylbenzene	ND		700
541-73-1	1,3-Dichlorobenzene	ND		700
106-46-7	1,4-Dichlorobenzene	ND		700
95-50-1	1,2-Dichlorobenzene	ND		700
67-72-1	Hexachloroethane	ND		700
96-12-8	1,2-Dibromo-3-chloropropane	ND		1400
120-82-1	1,2,4-Trichlorobenzene	ND		1400
91-20-3	Naphthalene	ND		1400
91-57-6	2-Methylnaphthalene	ND		1400

2 of 5,000

16,000

460

Sample Comments:
MANY LATE UNID PEAKS

ND = not detected at the specified detection limit.

DEQ

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL RESPONSE DIVISION

FAX COVER SHEET

ISSUED UNDER THE AUTHORITY OF ACT 451, P.A. 1994 AS AMENDED

Date Sent: 3/27/96	To Machine #
Time Sent:	From Machine # 517-335-9600

PLEASE DELIVER THE FOLLOWING PAGES TO:

Name: John Vanderhoof

Company/Division:

Phone:

SENT FROM:

Name: Dawn Hartig

Section/Division:

Phone:

TOTAL NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 6

COMMENTS:

IF ALL PAGES ARE NOT RECEIVED, PLEASE CALL:

Name: Dora

Phone: 517-335-9800

EQP4431 (rev.10/95)

MAR 27 '96 15:44 FROM MI DEQ ERD LAB TO CADIL OFF PAGE.001

File:

3-13-96

Mike Worm at lab
Called with some
verbal Results for
Elmer's on Park Dr. 67
High levels of "Fuel Oil"
~~or~~ Constituents.
Toluene, TMB's over 1000
May have PNA's.
He will be done today
with 8260+ analysis.

John V.

3/27 Sent note to Dawn asking
for results.

JLP

March 8, 1996

Elmer's Crane and Dozer Paint Facility on Park Drive. Accompanied Jim McLaughlin of WMD. He had a complaint involving improper disposal of paint products into floor drain.

Building had a large floor drain that ran through the center of the building, covered by a grate.

We lifted up the grate and collected sediment below the water. Supposedly this drain is <u>not</u> hooked to a municipal sewer system. Samples to be sent to the DEQ lab for 8260+.

Jim will follow up with Elmer's with floor drain concerns and disposal problems.

The "dry well" may need sampling and clean up.

John V.

DNR

MI IGAN DEPT. OF NATURAL RESOU ES
ENVIRONMENTAL LABORATORY
ANALYSIS REQUEST SHEET

**** SAFETY WARNING ****
YES / NO - INFO ON BACK

MATRIX = SEDIMENT / SOIL

LAB ORDER # _____ PRIORITY_____ RECEIVED AT LAB BY_____ DATE TIME____/____/____ _____AM _____PM

SUBMITTER DIVISION ERD DISTRICT OR OFFICE Cadillac CONTACT PERSON FOR QUESTIONS JOHN VANDERHOOF PHONE (616)-775-9727 Ext 6307

LOCATION SAMPLED Elmers on Park Dr. COLLECTED BY Vanderhoof/McLaughlin DELIVERED BY FED EX

ACCEPT "HT" CODE (YES) / NO SEND RESULTS TO ATTENTION OF Same AT ADDRESS (if different than above office) _____

INDEX 47409 PCA 32511 PROJECT 453433 PH _____

SAMPLE REMARKS: _____

SAMPLE NO.	FIELD ID OR DESCRIPTION	SAMPLE COLLECTED YY/MM/DD	HH:MM	SAMPLE INFORMATION
01	Center Drain	96/03/08	10:45	Floordrain of Painting Shop
02	East Drain	96/03/08	11:00	" "
03				
04				
05				
06				
07				
08				

GENERAL CHEMISTRY

GS
COD 1 2 3 4 5 6 7 8
KJEL N, Tot P 1 2 3 4 5 6 7 8
Phenolics 1 2 3 4 5 6 7 8
Total CN 1 2 3 4 5 6 7 8
% Total Solids 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8

ORGANIC

POV VOLATILES
8260 (Sc 1,2) 1 2 3 4 5 6 7 8
BTEX (only) 1 2 3 4 5 6 7 8
8260 plus 1 2 3 4 5 6 7 8

OS PEST & PCB
8081/8121, (Sc 3) 1 2 3 4 5 6 7 8
PCB (only) 1 2 3 4 5 6 7 8

8270 (BN) 1 2 3 4 5 6 7 8

SPECIAL REQUESTS
Lib. Search (Qualitative)
Volatiles 1 2 3 4 5 6 7 8
Base Neutral 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8

INORGANIC

MS
Ca Mg Na K 1 2 3 4 5 6 7 8
Cd Cr Cu Ni Pb Zn 1 2 3 4 5 6 7 8
Fe Co Li Mn 1 2 3 4 5 6 7 8
Al Ba Be Mo Ti V 1 2 3 4 5 6 7 8
Hg - Mercury 1 2 3 4 5 6 7 8
As - Arsenic 1 2 3 4 5 6 7 8
Se - Selenium 1 2 3 4 5 6 7 8
Sr - Strontium 1 2 3 4 5 6 7 8
Ag - Silver 1 2 3 4 5 6 7 8
Tl - Thallium 1 2 3 4 5 6 7 8
% Total Solids 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8
_____ 1 2 3 4 5 6 7 8

DNR
Michigan Department of Natural Resources (DEQ)

Sample Collection Receipt

Please Print Legibly

Page 1 Of 1

This receipt is being supplied as required under the Michigan Environmental Response Act (1982 P.A. 307, as amended) Section 299.610d(5). This section requires a receipt describing samples obtained from a property be given to the person in charge before leaving the property.

Name of Facility: Elmer's Painting Facility (Elmers Crane & Dozer)		
Address: Park Drive		
City: Traverse City	State: MI	ZIP: 49686

Sample Description

Quantity	Describe (samples, photographs or videotapes)	Date Taken
2	Samples of floor drain Sediment	3/8/96

Department of Natural Resources Representative: John Vanderhoof Jim McLaughlin	Phone: see card
Department of Natural Resources Office: Cadillac	
Address	Phone
Received By: DeWight Campbell	
Title	Firm
Address	

☐ Check here if you would like a copy of the above listed sample analysis, photographs or videotapes.

Signatures

Department of Natural Resources Representative: John Vanderhoof	Date: 3/8/96	Received By: D Wright	Date

Distribution: White copy - DNR Canary copy - Facility

PR 4442 (rev.9/92)

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

RUSSELL J. HARDING, Director

MAR 15 1996

REPLY TO:

ENVIRONMENTAL LABORATORY
ENVIRONMENTAL RESPONSE DIVISION
3500 N MARTIN LUTHER KING BLVD #44
PO BOX 30270
LANSING MI 48909-7770

Telephone #: (517) 335-9600
Fax #: (517) 335-9600

TO: John Vanderhoof
ERD Cadillac

☑ **(1.) Copy for your records.**

☐ **(2.) Change in Analysis Request.**

☐ **(3.) Other** _____

3/12/96
Sample Receiving (Third Floor) Date

DNR

MICHIGAN DEPT. OF NATURAL RESOURCES
ENVIRONMENTAL LABORATORY
ANALYSIS REQUEST SHEET

MAR 15 1996

**** SAFETY WARNING ****
YES / (NO) - INFO ON BACK

MATRIX = SEDIMENT / SOIL

LAB ORDER # 96-03-005 PRIORITY H RECEIVED AT LAB BY DH DATE TIME 3/12/96 1030 AM / PM

SUBMITTER DIVISION ERD DISTRICT OR OFFICE Cadillac CONTACT PERSON FOR QUESTIONS JOHN VANDERHOOF PHONE (616)-775-9727 ext 6307

LOCATION SAMPLED Elmers on Park Dr. COLLECTED BY Vanderhoof/McLaughlin DELIVERED BY

ACCEPT "HT" CODE (YES) / NO SEND RESULTS TO ATTENTION OF Same AT ADDRESS (if different than above office)

INDEX	PCA	PROJECT	PH
47409	32511	453433	

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	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

ORGANIC

POV VOLATILES

8260 (Sc 1,2)	1 2 3 4 5 6 7 8
BTEX (only)	1 2 3 4 5 6 7 8
8260 plus	(1) 2 3 4 5 6 7 8

OS PEST & PCB

8081/8121, (Sc 3)	1 2 3 4 5 6 7 8
PCB (only)	1 2 3 4 5 6 7 8
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Cd Cr Cu Ni Pb Zn	(1) 2 3 4 5 6 7 8
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Tl - Thallium	1 2 3 4 5 6 7 8
% Total Solids	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

Draft

Comments

John

Can not send letter w/out Consultation

Elmer's Crane and Dozer, Inc.
c/o Mr. Troy Broad
3600 Rennie School Rd.
Traverse City, MI 49684

RE: Park Drive Painting Facility

Dear Mr. Broad,

During our phone conversation on April 16, 1996, we discussed two issues relating to Elmer's facility on Park Drive; the proper disposal and waste characterization of the sediment in the floor drain and the initial excavation and investigation of possible contamination in the drainage area.

Samples of the floor drain sediment collected and analyzed contained high levels of cadmium (over 20 mg/Kg). This level makes the sediment a hazardous waste by RCRA standards. In order to determine proper disposal a TCLP test must be performed on the sediment. Contact Jim McLaughlin (Ext. 6201) in the WMD for additional information on disposal requirements.

An open floor drain is a violation of the Natural Resources and Environmental Protection Act, 1994 PA 451, Part 31 (former Act 245) as amended. The floor drain must be connected either to the sanitary sewer system or to a holding tank. ~~Excavation and~~ investigation of the drainage area is necessary to determine what additional work may be required.

Additional areas that may need to be investigated for possible contamination are the soils underneath the building, groundwater beneath the drainage area, and soil in the area of any former drainage fields. Based on staff observations and discussions with employees, the area of the drainage field has been excavated in the past.

Based on staff observations made at the Park Drive site and the sediment testing results and in light of the requirements of Act 451, the MDEQ requests that you voluntarily undertake the following actions:

1. Remove and properly dispose of the floor drain sludge.

2. Determine the existence and extent of contamination in the drain field, groundwater, and surrounding area. If contamination is discovered, submit a plan to remove or remediate the contamination.

Staff of the MDEQ request that you notify this office within 30 days of the date of this letter to indicate when you intend to comply with these requests.

Please contact me directly so that I can schedule to be on site during the excavation or if you have any questions.

Sincerely yours,

John D. Vanderhoof