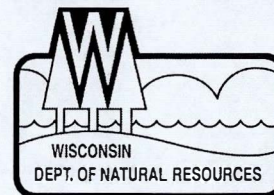


04-06-038916 10-31-1982

State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
1300 W. Clairemont Ave.  
Eau Claire WI 54701

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



December 18, 2013

COPY

Brian Pehler  
Dodge Fuel Co LLC  
N20414 County Rd J  
Dodge WI 54625

Subject: **No Site Investigation Required Determination Regarding Dodge Fuel Co LLC**  
S3171 County Rd P, Dodge, WI  
WDNR BRRTS # 02-06-554416

Dear Mr. Pehler:

On September 22<sup>nd</sup>, 2009, Bonestroo, on behalf of Charter Fuels, Incorporate, notified the Wisconsin Department of Natural Resources ("WDNR" or "the Department") that gasoline contamination had been detected during a Phase II Environmental Investigation. Based on the information that was initially submitted to the WDNR, you were sent a letter on November 4<sup>th</sup>, 2009 by DNR Hydrogeologist Tom Kendzierski explaining your obligations for restoring the environment at the referenced site under s. 292.11, Wisconsin Statutes.

I am writing you today to notify you that, based on an evaluation of all the information that I have in the file, you are not required to conduct an NR 716 site investigation for the site described above for the following reasons:

- Based on a conversation I had with Stu Gross from Bonestroo on December 18<sup>th</sup>, 2013, the Phase II environmental investigation that Bonestroo submitted to the Department was an investigation of a bulk petroleum facility north of County Rd P, whereas the release that had occurred at Dodge Fuel LLC in 1982 was at the "old" Dodge Fuel LLC site south of County Rd P.
- The Phase II environmental investigation that Bonestroo submitted only found minor contamination in the groundwater and no detection of soil contamination at the bulk petroleum facility north of County Rd P.
- The minor groundwater contamination which was detected in geoprobe B-3 does not provide adequate evidence to require an NR 716 site investigation or obligate you to restore the environment under s.292.11, Wisconsin Statutes.

Since the information gained from the Phase II investigation was not adequate enough to require an NR 716 site investigation, the Bureau for Remediation and Redevelopment Tracking System ("BRRTS") will now no longer show your property listed as an open Environmental Repair Program case.

However, since there was no confirmation sampling to document that the release to the environment that occurred on December 9<sup>th</sup>, 1982 was remediated completely, your property will remain listed under the "Historic Spill" designation. If you want to remove the historic spill designation on the Property, you will need to conduct a Phase II environmental assessment to adequately address the release that occurred in 1982. You can view the historic spill on BRRTS by searching for "CTH P - DODGE OIL CO" under Activity Name at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>.

If you want a more detailed written response from the Department regarding site status, please be advised that under NR 749, Wis. Adm. Code, a \$500.00 fee is required for the general liability clarification letter.

Further correspondence regarding this site should be sent to:

David Hon  
Hydrogeologist  
Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
1300 W Clairemont Ave  
Eau Claire, WI 54701

I apologize for the delay that the Department had in reviewing this case and any hardship that the open case may have caused. If you have further questions about this letter, please don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "David Hon", with a long horizontal flourish extending to the right.

**David Hon**  
Hydrogeologist  
Remediation & Redevelopment Program  
(715) 839-3750  
[david.hon@wi.gov](mailto:david.hon@wi.gov)

C: Stu Gross, Client Service Manager, Stantec  
Bill Evans, Remediation and Redevelopment Regional Supervisor, DNR

DATE OF INCIDENT OCT 31 - DEC 9 1982	DAY OF WEEK N.A.	TIME OF INCIDENT N.A. <input type="checkbox"/> AM <input type="checkbox"/> PM	REPORTED BY (NAME) CYRIL PETLER	TELEPHONE NUMBER 608 1539-3211
--	---------------------	--	------------------------------------	-----------------------------------

DATE REPORTED DEC 9, 1982	DAY OF WEEK THURSDAY	TIME REPORTED 3:30 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	AGENCY OR FIRM REPORTING DODGE OIL CO	REPORTED THRU DIV. EMERGEN. GOVT. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
------------------------------	-------------------------	--	--	--

SUBSTANCE INVOLVED GASOLINE	QUANTITY 16,000	UNITS GALLONS	PERSON OR FIRM RESPONSIBLE DODGE OIL CO
SUBSTANCE INVOLVED	QUANTITY	UNITS	CONTACT NAME CYRIL PETLER
			TELEPHONE NUMBER 608/539-3211

PHYSICAL CHARACTERISTICS  
 SOLID  LIQUID  SEMISOLID  GAS  
 COLOR AMBER  
 ODOR AROMATIC HYDROCARBON

CAUSE OF INCIDENT  
CORRODED TANK OR MECHANICAL FAILURE

ACTION TAKEN BY SPILLER  
 NO ACTION TAKEN  NO NOTIFICATION  DELAYED NOTIFICATION  
 CONTAINMENT; TYPE \_\_\_\_\_  
 CLEANUP; METHOD \_\_\_\_\_  
 DISPOSAL; LOCATION \_\_\_\_\_  
 FIRE DEPARTMENT ACTION \_\_\_\_\_  
 CONTRACTOR HIRED; NAME FUEL RECOVERY INC  
 OTHER ACTION \_\_\_\_\_

EXACT LOCATION DESCRIPTION (INTERSECTION, MILEAGE, ETC.)  
200 West of Dodge on C.T.H. P

COUNTY-LOCATION  
BUFFALO

1/4, 1/4, SECTION, TOWN, RANGE  
SW, SW/2, T12N, R10W

DNR DISTRICT  
WCD

DNR AREA  
BRF

SURFACE WATERS AFFECTED  
 YES  NO  POT

DRAIN BASIN  
240

NAME OF SURFACE WATER  
Thompson River

NEAREST SURF. WATER  
300 FT.

NEAREST STORM SEWER  
NA FT.

WEATHER CONDITIONS  
N.A. SPILL TOOK PLACE OVER A PERIOD OF MONTH TIME PERIOD

TEMPERATURE \_\_\_\_\_ OF MONTH TIME PERIOD

WIND SPEED \_\_\_\_\_ MPH DIRECTION OF WIND \_\_\_\_\_

PRECIPITATION:  YES  NO

DIRECTION OF SPILL MOVEMENT  
South

DATE DISTRICT NOTIFIED  
12/9/82

DAY OF WEEK  
THURSDAY

TIME DISTRICT NOTIFIED  
3:30  AM  PM

DATE INVESTIGATED  
12/9/82

DAY OF WEEK  
THURSDAY

TIME INVESTIGATED  
5:00  AM  PM

DISTRICT PERSON NOTIFIED  
HAROLD KUENIAK

TELEPHONE NUMBER  
715 1539-4185

PERSON INVESTIGATING  
TOM WOLETZ

TELEPHONE NUMBER  
715 1836-2957

ACTION TAKEN BY DNR  
 NO ACTION TAKEN  INVESTIGATION  29.29 ENFORCEMENT  
 CONTAINMENT; TYPE \_\_\_\_\_  
 CLEANUP; METHOD \_\_\_\_\_  
 SUPERVISE CLEANUP (PERSON) \_\_\_\_\_  
 DISPOSAL; LOCATION \_\_\_\_\_

SPILLER REQUIRED TO TAKE ACTION; TYPE  
 HIRE CONTRACTOR

CONTRACTOR HIRED  
 BY DNR; NAME \_\_\_\_\_  
 DNR SPILL EXPENSE SENT TO MADISON CENTRAL OFFICE.  
 EVIDENCE COLLECTED:  
 PHOTOGRAPHS \_\_\_\_\_  STATEMENTS OF WITNESSES  
 SAMPLES \_\_\_\_\_  OTHER \_\_\_\_\_

OTHER AGENCIES ON SCENE  
LOCAL Fire Department

STATE \_\_\_\_\_

FEDERAL \_\_\_\_\_

LIST HUMAN HAZARDS OR CASUALTIES  
 REAL  POTENTIAL  NONE  
 GROUNDWATER CONTAMINATION

ENVIRONMENTAL HAZARD/DAMAGE  
 REAL  POTENTIAL  
 VEGETATION \_\_\_\_\_  
 FISH \_\_\_\_\_  
 WILDLIFE \_\_\_\_\_  
 BIRDS \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 NONE \_\_\_\_\_

PERSON FILING THIS REPORT (PRINT NAME)  
THOMAS E. WOLETZ

SIGNATURE  
Tom Woletz

DATE SIGNED  
12/14/82

ADDITIONAL COMMENTS:  
WOLETZ AND MIKE TIBNEY RESPONDED. FUEL RECOVERY ARRIVED 01:00 ON 12/10/82. UNCONFINED RECOVERY BEGAN 08:00. WELL POINTS 10:30 ON 12/14/82. GROUNDWATER WAS AT ABOUT 8' DEPTH AND SPREAD OUT ABOUT 50' FROM TANK AND WAS UP TO 2' ON TOP OF THE GROUNDWATER. THIS WOULD INDICATE THAT THE SPILL HAD OCCURRED RATHER SUDDENLY. CREWS WORKED AROUND THE CLOCK UNTIL 12/12/82 WHEN A SMALL FIRE SHUT THE OPERATION DOWN AT 19:00. WORK RESUMED ON 12/13/82 AT 13:30. ABOUT 100 WELLS ARE IN PERIMETER WELLS SHOW NO LATERAL MOVEMENT. 3600 GALLONS RECOVERED AND AN ESTIMATED EQUAL AMOUNT VAPORIZED BY 12/13/82.

DISTRICT

STATE DIV. EMERGENCY GOVT. 608/266-3232  
U.S. NAT'L. RESPONSE CENTER 800/424-8802  
CHEMTREC/PESTICIDES/CHLORINE 800/424-9300

DATE OF INCIDENT <i>DEC 9 major portion possibly back to Oct 31, 1982</i>		DAY OF WEEK <i>N.A.</i>	TIME OF INCIDENT <i>N.A.</i> <input type="checkbox"/> AM <input type="checkbox"/> PM	REPORTED BY (NAME) <i>CYRIL PEHLER</i>	TELEPHONE NUMBER <i>608 539-3211</i>
DATE REPORTED <i>DEC 9, 1982</i>		DAY OF WEEK <i>THURSDAY</i>	TIME REPORTED <i>3:30</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	AGENCY OR FIRM REPORTING <i>DODGE OIL CO.</i>	REPORTED THRU DIV. EMERGEN. GOVT. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUBSTANCE INVOLVED <i>GASOLINE</i>		QUANTITY <i>16,000</i>	UNITS <i>Gallons</i>	PERSON OR FIRM RESPONSIBLE <i>DODGE OIL CO.</i>	
SUBSTANCE INVOLVED		QUANTITY	UNITS	CONTACT NAME <i>CYRIL PEHLER</i>	TELEPHONE NUMBER <i>608 539-3211</i>
PHYSICAL CHARACTERISTICS <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SEMISOLID <input type="checkbox"/> GAS COLOR <i>Amber</i> ODOR _____				ADDRESS - STREET OR ROUTE <i>DODGE OIL COMPANY</i>	
CAUSE OF INCIDENT				CITY, STATE, ZIP CODE <i>DODGE WI 54629</i>	
<input type="checkbox"/> TRANSP. RELATED <input checked="" type="checkbox"/> FACILITY RELATED		SPCC PLAN <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA		ACTION TAKEN BY SPILLER <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> NO NOTIFICATION <input type="checkbox"/> DELAYED NOTIFICATION	
EXACT LOCATION DESCRIPTION (INTERSECTION, MILEAGE, ETC.) <i>200' WEST OF CYPHUR'S Pt. Intersection, DODGE WI</i>					
COUNTY LOCATION <i>BUFFALO</i>		1/4, 1/2, SECTION, TOWN, RANGE <i>SW, SW, 10, T 19 N, R 10</i>			
DNR DISTRICT <i>WCD</i>	DNR AREA <i>BRF</i>	SURFACE WATERS AFFECTED <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> POT		DRAIN BASIN <i>240</i>	
NAME OF SURFACE WATER <i>Trempealeau River</i>		NEAREST SURF. WATER <i>300 FT.</i>	NEAREST STORM SEWER <i>N.A. FT.</i>		
GROUNDWATERS AFFECTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> POT		NEAREST WELL <input checked="" type="checkbox"/> PRIV. <input type="checkbox"/> MUNIC. _____ FT. <i>LIVE STOCK</i>			
DATE DISTRICT NOTIFIED <i>12/9/82</i>		DAY OF WEEK <i>THURSDAY</i>	TIME DISTRICT NOTIFIED <i>3:30</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	PRECIPITATION: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
DATE INVESTIGATED <i>12/9/82</i>		DAY OF WEEK <i>THURSDAY</i>	TIME INVESTIGATED <i>5:00</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	DIRECTION OF SPILL MOVEMENT <i>SOUTH Southeast</i>	
ACTION TAKEN BY DNR <input type="checkbox"/> NO ACTION TAKEN <input checked="" type="checkbox"/> INVESTIGATION <input type="checkbox"/> 29.29 ENFORCEMENT <input type="checkbox"/> CONTAINMENT; TYPE _____ <input type="checkbox"/> CLEANUP; METHOD _____ <input checked="" type="checkbox"/> SUPERVISE CLEANUP (PERSON) _____ <input type="checkbox"/> DISPOSAL; LOCATION _____				DISTRICT PERSON NOTIFIED <i>HAROLD KUBISIAK</i>	
SPILLER REQUIRED TO TAKE ACTION; TYPE <input checked="" type="checkbox"/> HIRE CONTRACTOR				TELEPHONE NUMBER <i>715 1538-4185</i>	
CONTRACTOR HIRED BY DNR; NAME _____ DNR SPILL EXPENSE SENT TO MADISON CENTRAL OFFICE. <input type="checkbox"/> EVIDENCE COLLECTED: <input checked="" type="checkbox"/> PHOTOGRAPHS _____ <input type="checkbox"/> STATEMENTS OF WITNESSES <input type="checkbox"/> SAMPLES _____ <input type="checkbox"/> OTHER _____				PERSON INVESTIGATING <i>TWOLETZ / M. TIERNY</i>	
OTHER AGENCIES ON SCENE				TELEPHONE NUMBER <i>715 1284-5301</i>	
LOCAL <i>Five Department</i>		LIST HUMAN HAZARDS OR CASUALTIES <input type="checkbox"/> REAL <input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> NONE			
STATE _____		ENVIRONMENTAL HAZARD/DAMAGE <input type="checkbox"/> REAL <input checked="" type="checkbox"/> POTENTIAL			
FEDERAL _____		COMMENTS: _____			
PERSON FILING THIS REPORT (PRINT NAME) <i>MICHAEL J. TIERNY</i>					
SIGNATURE <i>Michael J. Tierney</i>				DATE SIGNED <i>1-11-83</i>	

ADDITIONAL COMMENTS:  
*ABOUT 100 RECOVERY AND PERIMETER OBSERVATION WELLS. SPILL HAS SHOWN NO LATERAL MOVEMENT SINCE DEC 9. AS OF 12-29-82 Est. 10,400 Gal of Gas Recovered; 6800 in liquid product; the rest is estimated vaporized. Contractor released by owner on 12/31/82. Owner will continue intermittent pumping, with understanding that effort must be satisfactory and contractor will be required.*

SEND TO:

COMPL. SECTION-7

PRIV. WATER SECTION-10

PUBL. WATER SECTION-10

MUNIC. WASTEWATER SECTION-10

IND. WASTEWATER SECTION-11

*Jeff Mollar WCD* DISTRICT

DATE 8 2 1 2 3 0  
Y Y M M D D

TIME (24-HOUR CLOCK) 08:30

CONTACT METHOD

PERSONAL  TELEPHONE

FACILITY NAME DODGE OIL CO LOCATION DODGE WI COUNTY BUFFALO

FACILITY I.D. \_\_\_\_\_ WPDES PERMIT NO. \_\_\_\_\_ DISTRICT NO. 6 DNR CONTACT TIERNEY

FACILITY REPRESENTATIVE CONTACTED Fuel Recovery Company working for Dodge Oil Co. TITLE OR POSITION OF REPRESENTATIVE Mark Pahl - Field Supervisor

CONTACT TYPES (CHECK ONE BOX ONLY)

1.  O&M INSPECTION (7500-5) WATER SUPPLY CONTACT

2.  CEI SURVEY

3.  CSI MONITORING SURVEY

4.  MEETINGS/PUBLIC HEARINGS

5.  INITIAL CONTACT

6.  FOLLOW-UP CONTACT

7.  GENERAL COMPLAINTS

ACTIVITY CODES \_\_\_\_\_ DETAILED LETTER/REPORT TO BE WRITTEN

YES  NO

SAMPLE TAKEN  YES  NO SAMPLE LOCATION \_\_\_\_\_

COMMENTS (For Key punching - First 200 Characters Will Be Stored)

CALLLED MARK TO ASK ABOUT RECOVERY FIGURES SINCE THE 27TH OF DEC. HIGH RATE OF RECOVERY, IN THE 250 TO 300 GAL EVEN WHEN THEY WERE ONLY PUMPING 3.5 TO 4.5 WRS. TUR NIS NOT THAT THE FIGURES INCLUDED WATER B

ADDITIONAL COMMENTS:

~~THE~~ MORE ACCURATE FIGURES would be based on observations made during pumping. Yesterday, while at the site, Ken indicated that the pumping out of the vac unit averaged out to about 65 seconds of water and 45 seconds of gasoline. At that time he thought the gasoline pumpage figure was based on only the gasoline pumpage time but later discovered his error and contacted his supervisor, Mark Pahl. Will pick up revised figures today.

F/M	VIOL. DATE Y Y M M D D	VIOL. CODE	SEQ. NO.	ACTION CODE

SEND TO:

COMPL. SECTION-7       MUNIC. WASTEWATER SECTION-10

PRIV. WATER SECTION-10       IND. WASTEWATER SECTION-11

PUBL. WATER SECTION-10       JEFF MILLER WCD DISTRICT

DATE: 82 12 30  
Y M D D

TIME (24-HOUR CLOCK): 10:40

CONTACT METHOD:  PERSONAL       TELEPHONE

FACILITY NAME: DODGE OIL COMPANY      LOCATION: DODGE WI      COUNTY: TREMPEALEAU

FACILITY I.D.: \_\_\_\_\_      WPDES PERMIT NO.: \_\_\_\_\_      DISTRICT NO.: 6      DNR CONTACT: M. T

FACILITY REPRESENTATIVE CONTACTED: CYRIL PEHLER      TITLE OR POSITION OF REPRESENTATIVE: OWNER OF DODGE OIL

CONTACT TYPES (CHECK ONE BOX ONLY)

1.  O&M INSPECTION (7500-5)      WATER SUPPLY CONTACT

2.  CEI SURVEY      5.  INITIAL CONTACT      6.  FOLLOW-UP CONTACT

3.  CSI MONITORING SURVEY      7.  GENERAL COMPLAINTS

4.  MEETINGS/PUBLIC HEARINGS

ACTIVITY CODES: EE      DETAILED LETTER/REPORT TO BE WRITTEN:  YES       NO

SAMPLE TAKEN:  YES       NO      SAMPLE LOCATION: \_\_\_\_\_

RECEIVED  
JAN 04 1982

COMMENTS (For Key punching - First 200 Characters Will Be Stored)

OWNER OF DODGE OIL PROPOSED HE TAKE OVER FINAL CLEANUP OF SPILL SAID HE COULD ASSEMBLE VACUUM PUMP TO A 250 GAL TANK AND PUMP EXISTING RECOVERY WELLS ON AN EVERY OTHER DAY SCHEDULE. FIRM AGREED TO LEAVE

ADDITIONAL COMMENTS:

EXISTING RECOVERY WELLS IN PLACE FOR MONITORING AND RECOVERY PURPOSES. OWNER SAID HE COULD BEGIN OPERATION BY JAN 3 or 4, 1983. I CHECKED WELLS AT SITE AND CONFIRMED SPILL <sup>Area</sup> WAS RAPIDLY SHRINKING. ONLY 3 WELLS NEAR SITE WOULD BE CONTINUALLY PUMPED WITH PRODUCT RECOVERY VARYING FROM ~100 TO 200 GPD. SPILL HAS NOT MOVED TO PERIMETER WELLS. AGREED TO PROPOSAL WITH PROVISION THAT OWNER WOULD CALL IN A FUEL RECOVERY FIRM IF DNR REPRESENTATIVE WAS NOT SATISFIED WITH OWNER'S RECOVERY EFFORT. CUTOFF DATE ON SPILL LEFT OPEN DEPENDING ON SUCCESS OF RECOVERY.

F/M	VIOL. DATE Y Y M M D D	VIOL. CODE	SEQ. NO.	ACTION CODE

AFTER CONSULTING COORDINATOR.

AGREEMENT MADE WITH SPILL

SEND TO: *spill site - Dodge oil Co.*

DATE *82 12 21*  
Y Y M M D D

TIME (24-HOUR CLOCK) *12:50*

CONTACT METHOD  
 PERSONAL  TELEPHONE

- COMPL. SECTION-7
- PRIV. WATER SECTION-10
- PUBL. WATER SECTION-10
- MUNIC. WASTEWATER SECTION-10
- IND. WASTEWATER SECTION-11
- WCD* DISTRICT *Sgt Miller*

FACILITY NAME *DODGE OIL CO.* LOCATION *DODGE WI* COUNTY *BUFFALO*

FACILITY I.D. \_\_\_\_\_ WPDES PERMIT NO. \_\_\_\_\_ DISTRICT NO. *6* DNR CONTACT *M Tierney*

FACILITY REPRESENTATIVE CONTACTED *Civil Politer and Mark Dole* TITLE OR POSITION OF REPRESENTATIVE *OWNER DODGE OIL /supervisor of FRC crew on site*

- CONTACT TYPES (CHECK ONE BOX ONLY)
- 1.  O&M INSPECTION (7500-5)
  - 2.  CEI SURVEY
  - 3.  CSI MONITORING SURVEY
  - 4.  MEETINGS/PUBLIC HEARINGS
  - 5.  WATER SUPPLY CONTACT
  - 6.  INITIAL CONTACT
  - 7.  FOLLOW-UP CONTACT
  - 7.  GENERAL COMPLAINTS

ACTIVITY CODES \_\_\_\_\_ DETAILED LETTER/REPORT TO BE WRITTEN  
 YES *final*  NO

SAMPLE TAKEN  YES  NO SAMPLE LOCATION \_\_\_\_\_

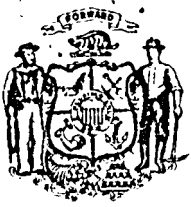
COMMENTS (For Key punching - First 200 Characters Will Be Stored)

*SPOKE WITH KYRIL ABOUT WHEN WE CAN QUIT. TOLD HIM 200 GALL PER DAY PLUS AT LEAST A NOTHER 100 GALL VAPORIZED WAS TOO MUCH TO EVEN CONSIDER STOPPING. DID SAY THAT OVER ADITION COULD SHUT DOWN OVER THE CHRISTMAS*

ADDITIONAL COMMENTS:  
*HOLIDAYS AND RESUME MONDAY MORNING DEC 27, 1982. SAID I'D BE ON SITE THURSDAY DEC 23 at 1:30 PM (1330) TO EVALUATE SITUATION.*

*MARK Dole, of FRC, ~~said~~ <sup>said</sup> about 200 gallons of gas expected Today. Recovery relatively easy. Will have progress report for civil Politer by 1400 today. Report will include information about <sup>estimated</sup> vaporization of gasoline from collection units and the firm also had some work on establishing the groundwater gradient that will be included in report.*

F/M	VIOL. DATE	VIOL. CODE	SEQ. NO.	ACTION CODE
	Y Y M M D D			



State of Wisconsin  
Route 4, Box 5  
Black River Falls, WI 54615

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny  
Secretary

February 4, 1983

File Ref: 3210

Mr. Robert Weisbrod  
GAB Business Services Inc.  
1419 South Hastings Way  
P.O. Box 1211  
Eau Claire, WI 54701

Dear Mr. Weisbrod:

RE: Gasoline Spill - Dodge Oil Company GAB File #56510-12630

Please excuse the delay. Attached are copies of the Toxic and Hazardous Incident Reports I agreed to send. Both Tom Woletz, at the Eau Claire DNR office, and I filled out an incident report.

One point should be clarified. I believe the entire spill occurred within hours. My reasoning is as follows:

- 8,500 gallons was lost overnight on 12/8/82.
- The storage tank was being regularly used prior to this. A leak of any significance would have drained the tank quite rapidly.
- Even with a 2 foot, plus, head of gasoline to push it the spill area was confined.

Cleanup on the site has been shut down. However, this spring, the owner will again pump some of the installed wells to see if substantial recovery of gasoline is possible.

I hope this report is what you needed.

Sincerely,



→ Michael J. Tierney  
Area Engineer

MJT:jlc

cc: Jeffrey R. Miller - Eau Claire



### BACKGROUND INFORMATION

Fuel Recovery Co./Environmental Services was contacted by the owner of the Dodge Oil Transport Station, Dodge, Wisconsin, on December 16, 1982. Tom Woletz from the DNR office, Eau Claire, was at the spill site evaluating the incident and determined that the reported 16,000 gallon spill should be contained and recovered immediately. The urgency of the spill prompted Cyrel J. Piehler to authorize our response team to mobilize to the spill site and assist in selecting the appropriate remedial action.

### PRELIMINARY EVALUATION

FRC/Environmental Services arrived on-site at approximately 12:30 a.m., December 17, 1982. Sub-surface testing of the contaminated area showed a large amount of product on the water table. Based on these findings it was determined that the most effective means for immediate containment and recovery of the product would be to use the vacuum recovery method. Approval was made by Tom Woletz and Cyrel Piehler to implement recovery procedures. It was decided that the perimeter of the gasoline plume would be defined after the vacuum pumping was put into full operation.

### RECOVERY OPERATION

A series of recovery wells were installed before the vacuum recovery operation began. At approximately 11:00 a.m., the vacuum machines were put into operation and resulted in a large volume of product recovered by 6:00 p.m., the first day (approximately 800 gallons). It was recommended that the vacuum pumping run continuously until the volume recovered lessens to an amount that would not make pumping feasible. Twenty-four hour pumping discontinued after 3 days. Presently, 200-300 gallons is being recovered daily. The volume of product currently being recovered continues to be large enough to sustain a productive recovery.

The daily breakdown is only an estimate of the actual liquid product recovered because the chamber valves in the storage tanker were inoperable. An accurate figure will be available in the next report.

In recording the product recovered, consideration must be made to the amount of gasoline being emitted into the atmosphere from vaporization. A recent Interpoll study was conducted on our vacuum machines (see attached) and a basic curve was determined.

The rate at which gasoline vaporizes is based on many variables. However, the fluctuation of the ambient temperature and the volume of liquid being vacuumed are the two primary reasons for changes in the amount of vapors being emitted.

The complexity of determining the exact vaporization while on-site would hamper the efficiency of the recovery project; therefore, vaporization is not included in gallons recovered. Because of the large volume of liquid being recovered, it is difficult to administer any standard rate.

Pertinent information relating to the subsurface conditions of the spill site are as follows:

#### SUBSURFACE SOIL CONDITIONS

Subsurface soil conditions were determined from samples taken during test exploration. Samples were recovered with a flight auger, bringing disturbed soil samples to the surface. Subsurface conditions are therefore only approximated, and the findings of the test borings should be viewed as a general indication of soil conditions at the project site. Logs of the investigative borings are presented in Appendix A.

Soil conditions at the project site show little variation either laterally or with depth. Generally, the soil consists of a layer of fine sand which extends downward to at least 15 feet, as indicated at IB-1. In some of the borings medium-grained sand was encountered at depths of 5 to 9 feet from the surface. In none of the borings was an appreciable amount of silt clay discovered.

Ground water was encountered in the project area at depths of 4 to 7 feet from the surface. The water table at this depth appears to be a fairly extensive one, underlying much, if not all, of the project area. Extensive water tables are common in consistent sandy soils of the type found in this area.

#### PRODUCT EXTENT

Product occurrence in the soil and the groundwater was determined through the use of investigative borings. The area of product contamination is shown on the Product Extent Map in Appendix B. As can be seen from this map, strong product contamination on the groundwater table and in the soil was found near the tank at IB-1, where over 2 feet of product accumulated on the groundwater. In addition, strong product

odor in the soil was found at IB-8. The strong product odor at IB-8 suggests the possibility of product migration in that direction. However, in accordance with instructions from the Wisconsin DNR, no groundwater studies have been conducted at the spill site. Therefore, migration of product cannot be established at this time.

CONCLUSION

The recovery project is ongoing and will continue until the DNR has determined that the residual product will not create any immediate or long term hazard to the surrounding environment.

The guidance by Tom Woletz, DNR Representative, and the support from the Dodge townspeople assisted in the success and efficiency of the recovery project.

If there are any further questions pertaining to the recovery project please contact Gary Johnson at 612-771-2272.

Sincerely,



Gary R. Johnson  
Director of Operations  
FRC/Environmental Services

GRJ:kj

B

# DODGE, WISCONSIN TANK LEAK

## PRODUCT EXTENT MAP

KEY

— Heavy Contamination

- - - Light Contamination

SCALE: 1:300  
1 inch = 25 feet

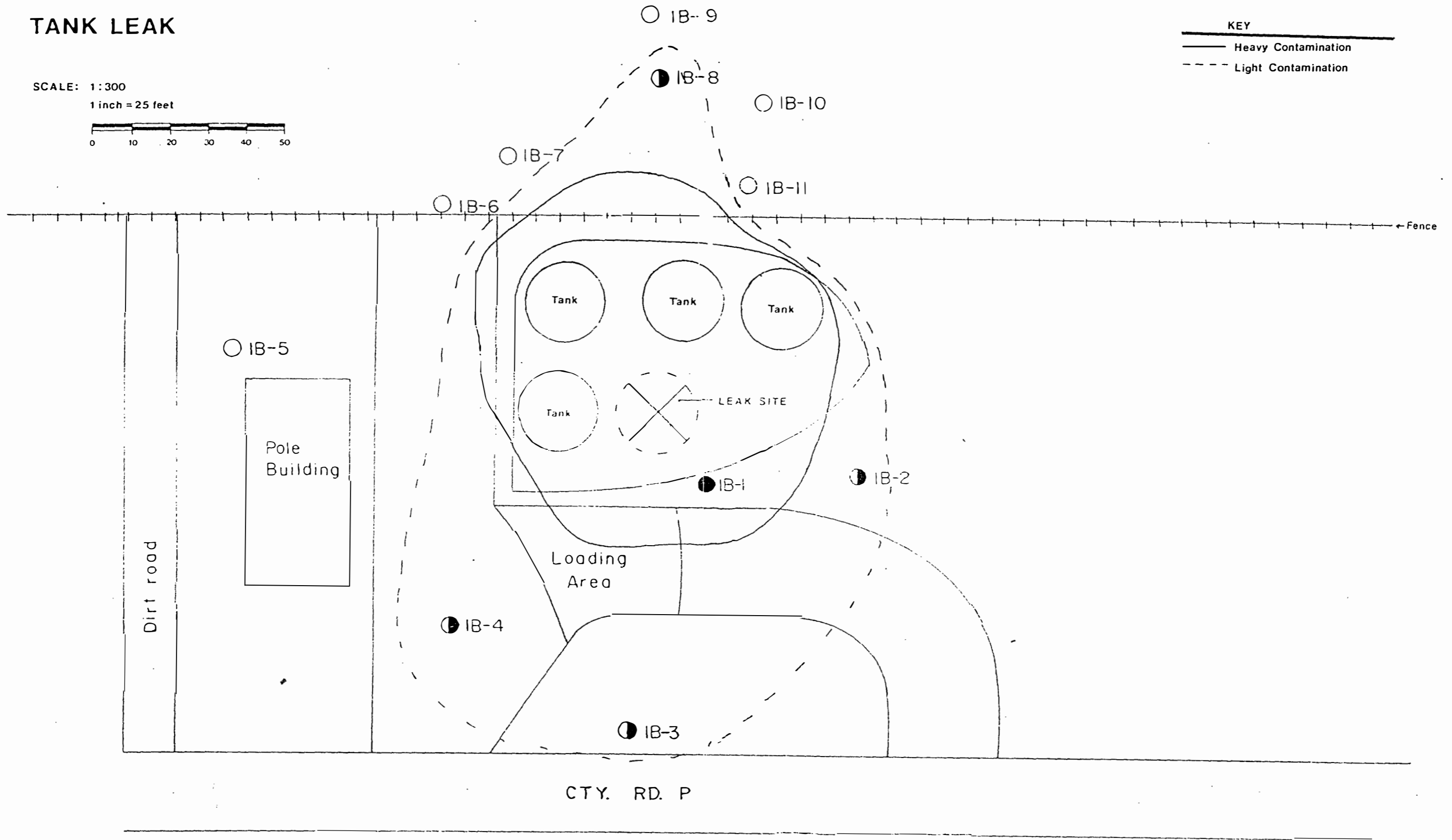
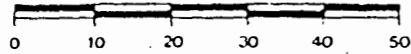


Table 1. Maximum Theoretical Gasoline Loss Rates Due to Volatilization of the Fuel Recovery Company 240 CFM Vacuum Unit.

Ambient Temperature (°F)	Maximum Volatilization Rates of Gasoline	
	(GPH)	(GPWD)*
32	26.8	214
42	36	288
60	54.6	437
89	100.8	801

\*GPWD = Gallons per 8-HR work day

The worst case conditions assumed in this work to develop the above equations would never be attained with the pumping system used. It would be a rare circumstance, indeed, when the volatile emissions exceeded one half the maximum calculated values in Table 1.

An analysis was not performed for the 135 CFM Vacuum unit, however, the ratio of volatilized product to condensed product should be similar for both units. This ratio once determined for the 240 CFM unit should be applicable to the 135 CFM unit.

