

Geokwan Environmental Ltd

ENVIRONMENTAL ENGINEERS

Manitoba Environment Department
139 Tuxedo Avenue
Winnipeg, Manitoba
R3N 0H6

December 6, 1990

FAXED

ATTENTION: Mr. Brian Durupt
Environmental Officer

Dear Sir:

RE: Site Remediation - Stage 1 & 2
Canadian Tire Property, Brandon, MB
Our Project No. E238 & 239

Please be advised that the vapour extraction system for stage 1 has been put into operation around the Canadian Tire store since December 3, 1990. A total of 59 vapour extraction wells and 4 vapour extraction units are used for stage 1.

For the stage 2 site remediation, approximately 70% of the trenching and piping are now complete. A total of 70 vapour extraction wells and 2 large diameter product recovery wells have been installed as of December 3, 1990. Two vapour extraction units have been hooked up to Trench No. 3 West, 4 & 5 (near the southerly portion of the Canadian Tire Gas Bar & the south parking lot) and in operation since December 4, 1990. A third vapour extraction unit is expected to be hooked up to Trench No. 3 east and 2 east very shortly.

Due to the present extremely cold weather and the depth of the frozen soils encountered at the site, it is not considered practical to continue the trenching for the remainder of Trench No. 1 and 2. The outstanding trenching work of stage 2 will be done in the Spring of 1991.

All the 129 wells and the vapour extraction units of stage 1 & 2 will be monitored monthly by our firm for the next 12 months, to ensure a satisfactory performance from an environmental standpoint.

December 6, 1990

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E238 & 239

We trust that the foregoing will meet with your approval. If you have any questions, please call the writer at your convenience.

Yours truly,

GEOKWAN ENVIRONMENTAL LTD.

Per:



Walter Kwan, M. Eng., P. Eng.

WK:ew

c.c. Hugh Law, Canadian Tire Corp., Toronto

M. Dillabough, Canadian Tire Store, Brandon

D. Arthurs, Cassels, Brock & Blackwell

D. Edigar, Manitoba Environment

GEOKWAN ENVIRONMENTAL LTD.

T.H. Law

Geokwan Environmental Ltd

ENVIRONMENTAL ENGINEERS

Canadian Tire Corporation Ltd.
Box 770, Station K
Toronto, Ontario
M4P 2V8

November 28, 1990

FAXED

ATTENTION: Mr. Hugh Law
Real Estate Manager

Dear Sir:

RE: Progress Report No. 1
Site Remediation - Stage 1 & 2
Canadian Tire Property, Brandon, MB
Our Project No. E238 & 239

1) Drilling of the vapour extraction wells for both Stage 1 & 2 (total 129 wells) has been completed by Paddock Drilling since November 14, 1990.

2) Installation of the vapour extraction systems - Stage 1 has been virtually completed by Maple Leaf Enterprises Ltd, since November 22, 1990. The south trench and about 170' of the east portion of the northeast trench had been patched with cold mix asphalt. The outstanding work of Stage 1 includes installation of the vent pipes and hooking up of the 4 vapour extraction units. This outstanding work is supposed to be done on November 27 & 28, 1990. However, the owner, Mr. VanLinge of Maple Leaf Enterprises had an accident on November 26, 1990. As such, the said work is presently suspended. It is planned that the remainder of the Stage 1 work be completed late this week or by the 1st week of December 1990.

3) All components of the 8 vapour extraction units for Stage 1 & 2 have been ordered. Six units are already in our laboratory. The remaining two are expected to arrive next week. On site electrical wiring for our 8 vapour extraction units by GT Smith of Brandon is 90% complete.

4) The design drawing, plate 1 and cross sections, plate 2 & 3 for both the Stage 1 & 2 site remediation have been completed and are enclosed. The layout of the various systems for Stage 1 & 2 was finalized by the writer in mid November during his inspection of the Stage 1 site remediation work in Brandon. Special considerations were made in the layout so that disturbance to the existing buried services and inconvenience to the Canadian Tire customers is minimized.

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5) The Stage 2 site remediation commenced on November 21, 1990. The work was undertaken by Cumming & Dobbie personnel in two shifts (i.e. day and night shifts supervised by our field engineers, Rob Kupchak and Harley Pankratz, respectively). Approximately 1600' of asphalt (the entire trench No. 5 and one half of trench No.3 & 4) had been cut by a road saw using the dry cutting method.

Indicated in "green" on the design drawing is the total length of header pipes and trenches (about 550') completed for Stage 2, as of November 26, 1990. Please note that trench No. 1 to 5 are for Stage 2.

Heavy snow fall and freezing temperatures since November 24, 1990 have hampered the trenching progress. The depth of frost penetration as of November 26, 1990 at the site was about 20". The frozen soils had caused equipment break down a couple of times. It is now considered essential that a frost ripper be utilized to break and remove the frozen soils. In this regard, a 4 man crew (i.e. our field engineer, 1 large backhoe equipped with a frost ripper, and an operator, one small backhoe with an operator and a laborer) will be mobilized per shift, effective on the afternoon of November 27, 1990.

Depending on the upcoming weather and due to the working time restrictions and cold mix asphalt requirements imposed by the store owner, Mr. Merv Dillabough, it is very likely that all 5 trenches under Stage 2 cannot be completed economically this year. It is hoped that trench 5, 4 and 3 can be completed by early December, leaving trench 1 and 2 to be done in late spring of 1991. If this is the case, we shall require temporary storage space for the surplus piping and styrofoam insulation over the winter. In this regard, we shall have further comments at a later date.

X
6) The two recovery wells (one each near MW13 & MW2) had been installed by Subterranean (Manitoba) Ltd., during the period between November 26 & 27, 1990. Arrangements will be made to remove the liquid gasoline from the two wells with an approved septic truck, for disposal at the approved landfill site in Brandon.

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7) Initial soil gas measurements for all 129 wells installed for Stage 1 & 2 had been undertaken by our field engineers, using both the hydrocarbon surveyor and the Gastec gasoline detection tubes. These initial measurements show that the wells installed around the Canadian Tire Gas Bar consistently contain flammable gasoline vapours in excess of the lower explosive limit of 11,000 ppm. These exceptionally high gasoline vapours are likely related to the gasoline spill reported on the evening of September 22, 1989 at the Canadian Tire Gas Bar. According to the documents obtained by the writer from the Brandon Fire Department, the leak occurred in the second storage tank (Serial No. B 35827C) from the south. Further details on the leak can be found in the following documents enclosed:

7.1 Brandon Fire Department letter dated October 3, 1989.

7.2 Two notes for file dated September 23, 1989 by A.J. Ryan, fire inspector of City of Brandon and the attached sketch showing the leaky tank.

We shall have further comments on this issue, once all the field data from the new wells are analyzed in more detail.

8) Documents obtained by the writer from the Brandon Fire Department indicate that there had been several major spills of gasoline, diesel fuel, fuel oil at the Petro-Canada property between February 23, 1981 and August 18, 1983 as follows:

8.1 February 23, 1981: an undisclosed amount of gasoline spilled inside the dyke around a 95,000 gallon storage tank (see Brandon Fire Department Report #98 attached)

8.2 March 27, 1981: an undetermined amount of gasoline spilled on the ground around a 14,500 gallon storage tank (see Brandon Fire Department Report #176)

8.3 March 10, 1982: Approximately 317 gallons of gasoline leaked to the ground from a storage tank without a dyke (see Brandon Fire Department report dated March 11, 1982, separate report #172 and additional information by Capt. R. Dean & Lt. M. Phinney).

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8.4 October 20, 1982: Approximately 1900 gallons of diesel fuel spilled inside a dyked tank (See Brandon Fire Department report dated October 20, 1982 and related correspondence attached).

8.5 August 18, 1983: A large amount of fuel oil had spilled down from the top of a 20,000 gallon tank. About 500 to 800 gallons of fuel oil were lost (see Brandon Fire Department Report dated August 18, 1983).

In our opinion, the above reported hydrocarbon spills are at least partly responsible for the high volatile hydrocarbon vapours detected in the Canadian Tire property, especially the area located on the north side of the existing Canadian Tire store. The diesel fuel encountered in MW22 is considered to have been migrated from the Petro-Canada compound into the Canadian Tire property. //

It is interesting to note that gasoline odour was discovered by ICG of Brandon during their digging at the north property line of Canadian Tire, at location of the lateral gas main which lead to the Canadian Tire store, and that a soil sample taken from the said pit and tested by Manitoba Environment showed extractable gasoline concentration of 8600 ppm which was 10% over the safety limit (see Brandon Fire Department Notes for file dated March 7, 1990, April 5, 1990). The presence of gasoline saturated subsoils reported by ICG of Brandon is consistent with the findings of our environmental site assessment undertaken in the region for Canadian Tire, during the period from October 1989 to May 1990.

It should be noted that there is no record of newer hydrocarbon spills in the file of the Brandon Fire Department, after the reported 800 gallon fuel oil spill at the Petro-Canada property on August 18, 1983.

Our recent site observations have indicated that there is evidence of surface spills of hydrocarbons near the tank farm and the loading racks inside the Petro-Canada compound. Due to the ground water flow direction and the sandy soil conditions, any hydrocarbon spills at the Petro-Canada compound can migrate into the Canadian Tire property.

9) The following documents are enclosed for your information:

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9.1 Geokwan site memo dated November 15, 1990 to Maple Leaf Enterprises.

9.2 Workers Compensation Board of Manitoba letter dated November 21, 1990 and certificate of Insurance for Maple Leaf Enterprises.

9.3 Geokwan letter dated November 21, 1990 to Merv Dillabough.

9.4 Geokwan letters dated November 16 & 27 1990 to GT Smith & Sons (the electrical contractor for the project).

9.5 GT Smith quotation dated November 20, 1990.

9.6 Geokwan letter dated November 21, 1990 and Cumming & Dobbie quotation dated November 21, 1990 and certificate of insurance. (Please note that the rates for the large backhoe is \$68/hr and \$78/hr when this backhoe is equipped with a frost ripper. These are newly negotiated rates with Cumming & Dobbie which were not covered in the initial quotation).

We trust that the foregoing is self explanatory. If you have any questions, please advise.

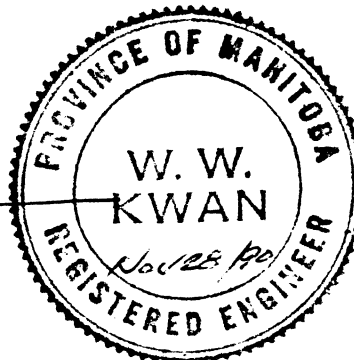
Yours truly,

GEOKWAN ENVIRONMENTAL LTD.

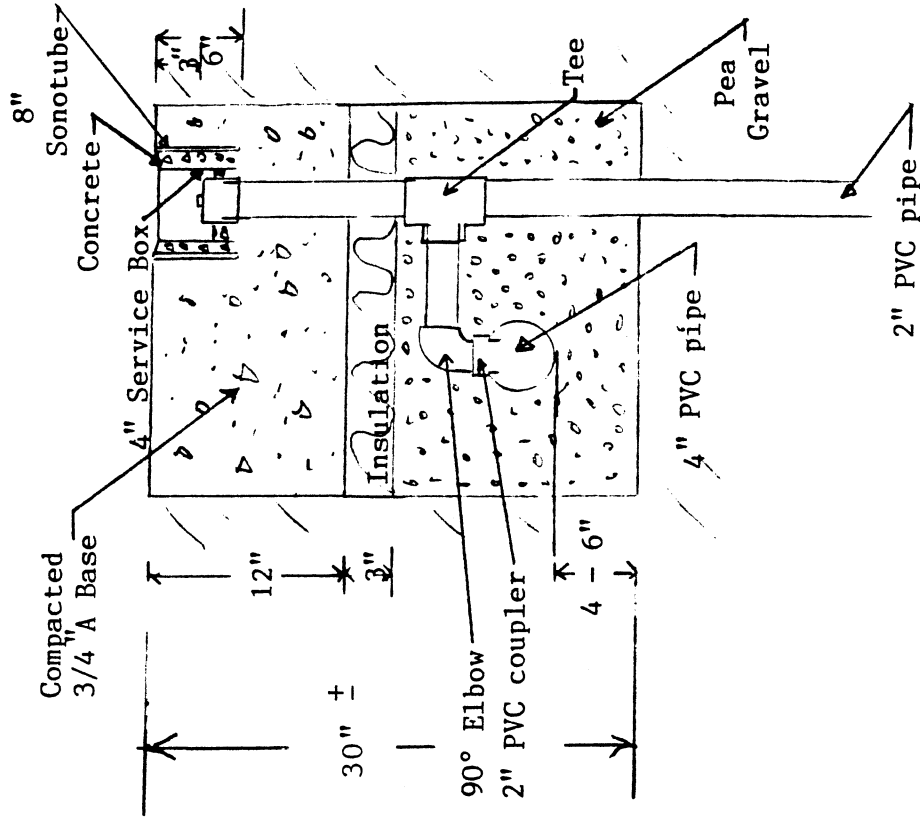
Per:


Walter Kwan, M. Eng., P. Eng.

WK:ew



GEOKWAN ENVIRONMENTAL LTD.



PLAN VIEW SECTION A-A

SECTION A-A
TYPICAL WELL CONNECTION

Geokwan Engineering Ltd

CONSULTING GEOTECHNICAL ENGINEERS

TITLE TYPICAL CROSS SECTIONS
VAPOUR EXTRACTION SYSTEM
BRANDON, MANITOBA

SCALE: 1" = 1'

DATE: 20/11/90

MADE:

HP

CHKD:

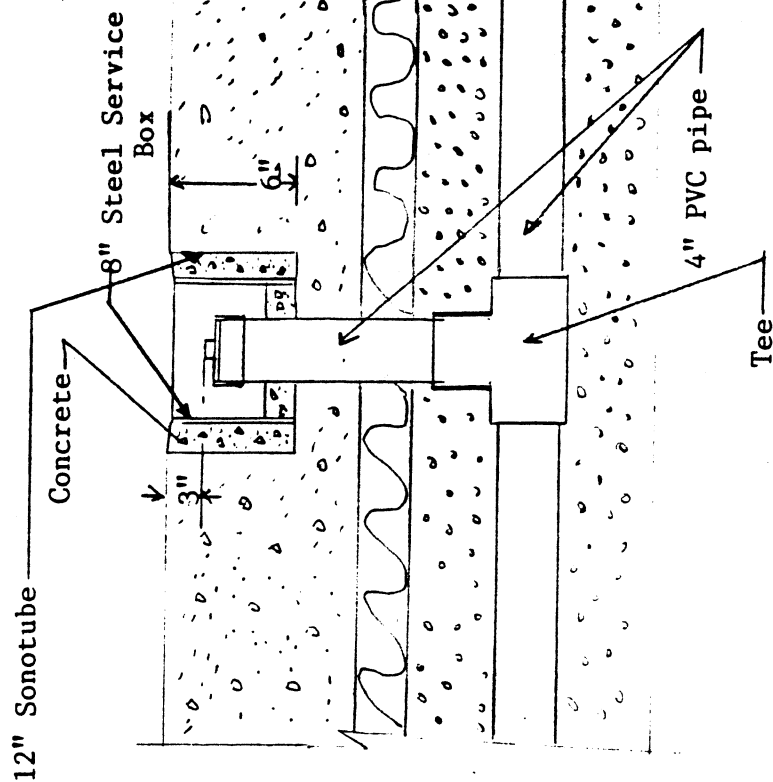
WK

JOB:

E238

PLATE:

2



X - SECTION
VAPOUR CONTROL POINT

TITLE

**VARIOUS X-SECTIONS
VAPOUR EXTRACTION SYSTEM
BRANDON, MANITOBA**

CONSULTING GEOTECHNICAL ENGINEERS

SCALE: 1" = 1'

DATE: 20/11/90

MADE IN HONG KONG

СМКД :

1000

E238 & 239

BRANDON FIRE DEPARTMENT
DOCUMENTS (5 PAGES) ON
GASOLINE LEAKAGE AT
THE CANADIAN TIRE GAS BAR
BRANDON, MANITOBA

BRANDON FIRE DEPARTMENT
(204) 727-2371



637 PRINCESS AVENUE
BRANDON, MANITOBA
R7A 0P2

CITY OF BRANDON

October 3rd, 1989

Mr. Maurice P. Mazerolle
Environmental Officer
Environment & Workplace & Health
Building 2
139 Tuxedo Ave
Winnipeg, Manitoba
R3N 0H6

Dear Sir:

RE: Underground Gasoline Storage Tanks at Canadian Tire - 1655 - 18th St.

The writer witnessed the installation of 4 - 5000 gallon fiberglass underground storage tanks at the above address.

The tanks were installed by Canadian Tire personnel and supervised by Frank O'Grady, Project Supervisor Construction, Real Estate and Engineering in a good workmanship manner and in conformance with Section 4 of the Manitoba Fire Code.

The serial numbers of the tanks are B35861C, B35827C, B35927C, B35925C. Results of hydrostatic tests are attached.

Periodic inspections were made on August 22nd through September 28th, 1989 and all conditions appeared satisfactory.

Jim Hodge of A & J Pump Service phoned on Friday evening September 22nd, 1989, stating there was a leak in one of the tanks which was discovered during hydrostatic test.

I went to investigate at 1900 hours and witnessed leak, which was approximately 16" down from top of tank. Mr. Merv Dillabough (Manager of Canadian Tire) was contacted and arrangements were made to have gasoline removed from tank to a point below the leak.

.../2

ALL CORRESPONDENCE TO BE DIRECTED TO THE FIRE CHIEF



Underground Storage Tanks
Canadian Tire - 1655 - 18th Street
Page 2

Arrangements were made with C.A.E. Fiberglass Ltd. to have tank repaired.

Tank was repaired on Sunday morning, September 24th, 1989 and hydrostatic test proved satisfactory.

Trusting this will meet with your approval.

Yours truly,



A.J. Ryan
FIRE INSPECTOR
City of Brandon

AJR:cb
Attach.

NOTE FOR FILE

September 23rd, 1989

Jim Hodge of A & J Pump Service phoned on Friday evening stating there was a leak in one of the tanks at Canadian Tire.

I went to investigate at 1900 hours and examined the leak which was approximately 16" down from the top of tank.

Project supervisor, Frank O'Grady had left town in route to Toronto so I contacted Mr. Merv Dillabough (Store Manager).

Mr. Dillabough arrived at store at approximately 2000 hours and arrangements were made to have a truck from Texaco to come and pump off gasoline down below the leak.

Dave Sukaroff from Texaco arrived at approximately 2200 hours and proceeded to pump off tank.

I asked Dave to cover hole with a piece of burlap and P.gravel before he left at which time I left for home.

I phoned Mr. John Duncan C.A.E. Representative from Winnipeg at approximately 2230 hours, and John stated that if the hydrostatic tests were performed at a maximum 5 p.s.i. this leak could be repaired without too much problem.

Deputy Chief Winters and myself went and inspected tanks at 0930 hours September 30th/89 and met Jim Hodge on site. Jim informed us that he had a call from C.A.E. representative from Edmonton and he was flying in today and the leak would be repaired on Sunday October 1st/89.

I called Maurice Mazzerolle for information regarding removing the tank from ground, in conformance with Subsection 4.3.17.3.(1) of Fire Code and he stated that this was intended for existing storage tanks, and if tank was repaired by C.A.E. personnel and the tank passed the hydro test, this would be acceptable.

A letter of certification will be required from the C.A.E. representative.



A. J. Ryan
FIRE INSPECTOR
City of Brandon

LEAK WAS DISCOVERED
IN THIS TANK

B 35861C
LEAD FREE

B 35827C
LEAD FREE

B 35927C
REGULAR
LEADED

B 35925C
PREMIUM

CHANDIAN FIRE
1655-1800
BRANDON
MAY

N

NOTE FOR FILE

September 23rd, 1989
1655 - 18th Street
Brandon, Manitoba
1430 Hours

Received a call from Tim Hodge of A & J Pump Service that he had a small flash fire while performing a hydrostatic test on underground gasoline storage tanks at Canadian Tire. Fire was extinguished immediately by Tim but he asked me to attend.

I called Capt. McEachen and asked him to meet me at the scene and to bring the camera with him.

I arrived on scene at 1440 hours and Capt. McEachen arrived shortly after.

Tim Hodge stated that his helper Darryl Tandoni was draining gasoline from bleeder pipe attached to the top of tank fill pipe into a plastic pail, when gasoline in pail suddenly ignited, slightly burning his hands and he threw the pail away from himself. Fire was quickly extinguished by Tim Hodge and no damage was caused.

Darryl Tandoni stated that he had been getting shocks in his hands for quite some time during the day and stated that he was wearing a woolen sweater. He took the sweater off and the static electricity was eliminated.

Therefore, it would appear that as Darryl was bleeding gasoline from the filler pipe into the plastic pail, a static spark passed from his fingers to the pail or gasoline causing a flash fire.

Photographs were taken and I returned home at 1530 and Capt. McEachen returned to hall.


A.J. Ryan
FIRE INSPECTOR
City of Brandon

AJR:cb

E238 & 239

BRANDON FIRE DEPARTMENT
DOCUMENTS (16 PAGES) ON
GASOLINE, DIESEL FUEL & FUEL OIL SPILLS
FEB. 23/81 - AUG. 18/83
GULF BULK PLANT
18TH STREET, BRANDON, MANITOBA

GASOLINE FUEL SPILLS

March 10th, 1982

300 gallons of gasoline

October 20th, 1982

2,000 gallons diesel fuel - purple ?

August 18th, 1983

800 gallons fuel oil

TOTAL FUEL SPILLED - 2,000 + 300 + 800 = 3,100

February 23 & March 27, 1981

An undisclosed amount of gasoline spilled into the ground.

CALL WHERE THERE WAS NO FIRE

LOCATION 1525 - 18th Street DATE August 18th 19 83

OWNER Gulf Oil of Canada ADDRESS Toronto, Ontario

OCCUPANT Gulf Oil (Gas Station)

ALARM REC'D: PHONE 727-2371 MESSENGER _____ OTHER _____

TRANSMITTED BY: NAME _____ ADDRESS _____

TIME OF ALARM 0125 hours RETURN TIME 0710 hours

- ☐ RESCUE OR EMERGENCY CALL (Aid Person, Save Property, Etc.)
- ☐ NEEDLESS CALL (Smoke or Steam Scare, Etc.)
- ☐ ACCIDENTAL ALARM (While Testing or Working on Private Alarm)
- ☐ FALSE ALARM (Describe Steps Taken to Apprehend Person(s))
- ☒ INVESTIGATION (Odors, Gas Leaks, Etc.)
- ☐ LOCAL ALARM SYSTEM (Malfunction)

DESCRIBE IN DETAIL ACTION CARRIED OUT BY OFFICER AND COMPANY RESPONDING:

Fuel Oil Spill - See Additional Information

(USE REVERSE SIDE OF FORM IF ADDITIONAL SPACE IS REQUIRED)

COMPANY OR COMPANIES RESPONDING: #7 Pump, #8 Ambulance

NUMBER OF MEN: 3

WHAT UTILITY COMPANY CALLED (IF ANY) Environmental Accident Technologists

DOES THIS CALL MERIT FURTHER INVESTIGATION: (IF SO, STATE REASON) _____

Should be followed up by the Brandon Fire Department Inspection Department

EQUIPMENT USED: Piercing Nozzle

SHIFT NUMBER #1 SENIOR OFFICER RESPONDING Lt. M. White

STATION NUMBER 2 REPORT NUMBER _____

ADDITIONAL INFORMATION

Received call of a fuel oil spill at 18th Street Gulf Oil of Canada. On arrival found a large amount of fuel oil had spilled down from the top of a 20,000 gallon tank which there was a miscalculation on what the tank would hold as to what was on the tanker truck which was pumping into it. Clarks Septic Tank and A. J. Pump Service along with the Environmental Department from Winnipeg were called into rectify this problem. Two men from Winnipeg arrived at approximately 0530 hours. With the advice of them and also Assistant Manager Ken Melvin of Gulf Oil, the piercing nozzle was utilized to flush the gravel in the moat which had been saturated with fuel oil. 1500 gallons of water was used to flush and neutralize the oil. Clarks Septic Tank Service then loaded the oil and water to take to the City Dump. It is assumed that from 500 to 800 gallons were lost. As far as can be determined, Gulf Oil is responsible and Notttri-Mac Trucking. The driver from Trimac Trucking was S.W. Tanner, Box 75, Griswold, Manitoba (Tanker No. 73525).

Lt. M. White
BRANDON FIRE DEPARTMENT

RE: Gulf Bulk Plant (fuel spill)
1525 - 189th Street, Brandon
October 20th, 1982
1645 hours
File No. 10 - C - 7

Responded to spill at the Gulf bulk plant 18th & Richmond Avenue with J. Ryan. On arrival the pumper from #2 Fire Station was washing down a fuel oil spill inside a dyked tank. H. Ball was syphoning the spill into his septic tank truck.

Bryan Durupt from Environmental Control (Winnipeg) was on the scene.

The Gulf plant manager stated he had called Environmental Control but had not called this department as he felt there was no danger to a spill of fuel oil. He stated a driver from Trimac, Grant Girbus, had been filling the wrong tank. Since the tank was on the far side of the area, he did not see the fuel oil running over. The tank he was filling was already partially filled and hence approximately 1900 gallons spilled onto the ground.



Lt. F. Watt
FIRE INSPECTOR
City of Brandon

CALL WHERE THERE WAS NO FIRE

LOCATION 1525 - 18th Street DATE October 20th 19 82OWNER Gulf Oil Canada Ltd. ADDRESS _____OCCUPANT Gulf Service StationALARM REC'D: PHONE 727-2371 MESSENGER _____ OTHER _____TRANSMITTED BY: NAME Brian Durupt ADDRESS Environmental DepartmentTIME OF ALARM: 1645 hours RETURN TIME: 1800 hours

- ☐ RESCUE OR EMERGENCY CALL (Aid Person, Save Property, Etc.)
☐ NEEDLESS CALL (Smoke or Steam Scare, Etc.)
☐ ACCIDENTAL ALARM (While Testing or Working on Private Alarm)
☐ FALSE ALARM (Describe Steps Taken to Apprehend Person(s))
☒ INVESTIGATION (Odors, Gas Leaks, Etc.)
☐ LOCAL ALARM SYSTEM

DESCRIBE IN DETAIL ACTION CARRIED OUT BY OFFICER AND COMPANY RESPONDING:

Upon arrival it was found that diesel fuel had been spilled from a tank during unloading procedures. Environmental people were on the scene and asked if we would flush the oil to a private catch basin located inside the diked guard around the bulk tanks. This was done and a septic service truck was on the site to pick up the fuel and water used. The reason #1 Station responded was because #2 Station was attending a fire extinguisher display being put on by the Inspection Department.

(USE REVERSE SIDE OF FORM IF ADDITIONAL SPACE IS REQUIRED)

COMPANY OR COMPANIES RESPONDING: #6 PumpNUMBER OF MEN: 2 (ff T. Sherb and ff R. Moore)WHAT UTILITY COMPANY CALL (IF ANY) Brandon Septic Service (not called by the Brandon Fire Department)

DOES THIS CALL MERIT FURTHER INVESTIGATION: (IF SO, STATE REASON) _____

EQUIPMENT USED: 1,000 gallons of water, one 2½" hose, one 1½" hose, 1 nozzle, 1 gated YSHIFT NUMBER #4 SENIOR OFFICER RESPONDING ff T. SherbSTATION NUMBER 1 REPORT NUMBER _____

TRI-LAC CARGO LOSS REPORT

TRACTOR # 73-376

TRAILER # 42-730-51-278 LOSS # C-28-82-05

THIS SECTION TO BE COMPLETED BY DRIVER IMMEDIATELY AFTER FIRST REPORT OF LOSS

NAME GRANT GERDIS HRS. ON DUTY 6 DATE OF LOSS OCT 20/82 TIME 12:45 AM ☒

TYPE OF LOSS: SPILL ☒ MIX OR CONTAMINATION ☐ LOST IN TRANSIT ☐
OTHER ☐ (EXPLAIN)

LOCATION OF LOSS GULF BULK PLANT BRANDON B/L NO. 769672

EXPLAIN IN DETAIL EXACT CAUSE OF LOSS (USE REVERSE SIDE IF MORE SPACE REQUIRED)

The product was going into tank 4 instead of tank 2 which the agent was supposed to have opened or failed to tell me to switch. There was not enough room in tank 4 to hold all of product.

SIGNED _____

THIS SECTION TO BE COMPLETED BY COMPANY INVESTIGATOR IMMEDIATELY AFTER DRIVER'S REPORT

SHIPPER CULF CAN INV. NO. 1-769672 RECEIVER CULF BULK PLANT

SHIPPED FROM SHELL REFINERY WINNIPEG SHIPPED TO CULF CAN

CAUSE OF LOSS (IF NOT SAME AS DRIVER'S VERSION) _____

CARGO	QUANTITY	PRICE	AMT. OR EST.
<u>DIESEL PURPLE</u>	<u>3000 GAL</u>		

SALVAGE 1954 GALLONS

RETURNED OR SOLD TO SHELL CAN WPG

OTHER DAMAGE (EXPLAIN) TO: NAME _____ ADDRESS _____

TOTAL _____

CHARGE TO _____ BRANCH MANAGER W M Rait

COMMENTS OR STATUS _____

FACT FINDING GUIDELINE

1. Investigator: (Your name, title and office location)

BILL McHARTY - BRANCH MANAGER BRANDON

2. Vehicle operator:

Name in full - CRANT GERDIS

Address - SUITE 30 3725 VICTORIA WOODS APT

City or Town - BRANDON

Telephone No. - 725-3063

Home Terminal - BR 28 BRANDON

Line or City Driver - LINE DRIVER

Years driving experience - 1 1/2

Age - 37 Immediate Supervisor BILL McHARTY

3. Employer: (Company name and full address)

OIL + INDUSTRY SUPPLIERS LTD
2030 PARK AVE BRANDON

4. Unit No. Tractor 73-376 Trailer 42-730-51-278

5. Time and date of accident:

1215 PM OCT 20 1982

6. Time, date and place of death, if deceased:
(e.g. enroute to hospital, in hospital, on accident scene, etc.)

NA

7. Scene of Accident - Exact location:

(Relate to a positive point so scene could be re-enacted if necessary. Support with photographs)

CULF CAN Bulk PLANT.
18th ST + RICHMOND AVE BRANDON

8. Temperature, weather and road conditions at time of accident:

NA.
SUNNY CLEAR WEATHER

9. Details of any previous accidents:

~~NA.~~

10. First Aid: (First Aid Kit, anyone qualified to use it. Medical centre, hospital close by?)

NA.

11. Informed of accident by:

GRANT GERDIS

12. Investigating police, adjustor, Company employee, Workmen's Compensation Board, etc.: (Reports from them if possible)

SEE ATTACHED STATEMENT
FROM BULK PLANT ATTENDANT

13. Statements of witnesses: (Written if possible and signed by them)

14. Personal observations: (What you saw when you arrived at the accident scene.)

UNIT IN UNLOAD AREA. HOSE CONNECTED
TO UNLOAD. LINE PUMP SHUT OFF.
FUEL LAYING INSIDE ~~OF~~ ~~THE~~ DIKE

15. Analysis of accident: (A step by step story of what actually occurred prior to and including the accident, right up to the point where the victim was removed to hospital.)

LEFT BRANDON 7 PM. OCT. 19. BOOKED OFF DUTY
WPG. 11 PM. ON DUTY 6 AM OCT 20.
ARRIVED IN BRANDON 1145 AM.

- 3 -

16. Cause of accident: (Unsafe act/safe conditions)

SEE NOTES

17. Indirect causes of the accident:

18. Preventable measures: It is recommended that

19. Follow-up action required:

CULF ARE GOING TO BE SURE THEIR
MAN. DOES HIS JOB PROPERLY AND
STAYS IN UNLOAD AREA TILL
OFF LOADING IS COMPLETE.

195H GALLONS RECOVERED AND
RETURNED TO SHELL CAN WPG
METER TICKET # 819465.

STOP REPORT # 168.

CULF FEEL DUE TO THE CIRCUMSTANCES
THEY ARE RESPONSIBLE FOR THIS SPILL

FACT FINDING NOTES

CONVERSATION BETWEEN DRIVER AND AGENT AFTER LOAD WAS CHECKED AND SEALS REMOVED. ① THE BILL + METER TICKETS WERE ^{STAMP} AGENT SAID YOU COULD NOT UNLOAD TILL THEIR UNITS WERE FINISHED LOADING. ONE UNIT WAS LOADING DIESEL PURPLE OUT OF TANK 4.

WHEN GRANT WAS hooking up HOSES AGENT WENT BACK TO TANKS, THEN RETURNED AND SAID TANK 2 WAS EMPTY AND TO START UNLOADING WHEN THEY WERE DONE LOADING. GRANT THEN CLOSED THE VALVE THEN HE WENT BACK TO THE OFFICE.

GRANT THEN CLOSED THE VALVE TO CHANGE THE FLOW OF FUEL FROM THE CULF TRUCK LOADING RACK TO THE STORAGE TANKS.

GRANT WAS NOT AWARE THAT TANK VALVES HAD NOT ^{BEEN} SWITCHED AND LOAD WAS GOING INTO TANK 4. TANK 4 NOT BEING VISIBLE FROM TRUCK LOCATION HE WAS NOT AWARE OF THE FACT TANK WAS RUNNING OVER. OVER THE NOISE OF THE PUMP COULD NOT HEAR FUEL RUNNING OVER ONLY WHEN THE SWITCH WAS MADE FROM THE LEAD UNIT TO THE PUP UNIT WAS GRANT AWARE OF THE OVERFLOW. IMMEDIATELY SHUT PUMP OFF AND FOUND TANK 2 WAS CLOSED TANK 4 WAS OPEN. CONTACTED BILL McHARTY AND CULF PEOPLE.

CALL WHERE THERE WAS NO FIRE

LOCATION 1525 - 18th Street DATE March 11th 19 82OWNER Gulf Canada Products Company ADDRESS s/aOCCUPANT Gulf Station (self serve)ALARM REC'D: PHONE 728-1499 MESSENGER OTHER TRANSMITTED BY: NAME ADDRESS TIME OF ALARM: 0950 hours RETURN TIME: 1105 hours

- ☒ RESCUE OR EMERGENCY CALL (Aid Person, Save Property, Etc.)
☐ NEEDLESS CALL (Smoke or Steam Scare, Etc.)
☐ ACCIDENTAL ALARM (While Testing or Working on Private Alarm)
☐ FALSE ALARM (Describe Steps Taken to Apprehend Person(s))
☐ INVESTIGATION (Odors, Gas Leaks, Etc.)
☐ LOCAL ALARM SYSTEM

DESCRIBE IN DETAIL ACTION CARRIED OUT BY OFFICER AND COMPANY RESPONDING:

On arrival at the clean-up site, Brian Durupt of the Environmental ControlDepartment was there to look after clean-up operations. Walley Johnsonhad two trucks and front end loader to scrape ground and clean up thespilled gasoline. Approximately 317 gallons leaked to the ground.

(USE REVERSE SIDE OF FORM IF ADDITIONAL SPACE IS REQUIRED)

COMPANY OR COMPANIES RESPONDING: #7 Pump, #8 AmbulanceNUMBER OF MEN: 3WHAT UTILITY COMPANY CALL (IF ANY) DOES THIS CALL MERIT FURTHER INVESTIGATION: (IF SO, STATE REASON) EQUIPMENT USED: 150' 1½" hose lineSHIFT NUMBER #2 SENIOR OFFICER RESPONDING Lt. G. WhiteSTATION NUMBER 2 REPORT NUMBER 172

CALL WHERE THERE WAS NO FIRE

LOCATION 1525 - 18th Street DATE March 10th 19 82
OWNER Gulf Canada Products Company ADDRESS s/a
OCCUPANT Gulf Station (self serve)
ALARM REC'D: PHONE 728-1499 MESSENGER OTHER
TRANSMITTED BY: NAME employee ADDRESS
TIME OF ALARM: 1615 hours RETURN TIME: 1750 hours

- ☒ RESCUE OR EMERGENCY CALL (Aid Person, Save Property, Etc.)
☐ NEEDLESS CALL (Smoke or Steam Scare, Etc.)
☐ ACCIDENTAL ALARM (While Testing or Working on Private Alarm)
☐ FALSE ALARM (Describe Steps Taken to Apprehend Person(s))
☐ INVESTIGATION (Odors, Gas Leaks, Etc.)
☐ LOCAL ALARM SYSTEM

DESCRIBE IN DETAIL ACTION CARRIED OUT BY OFFICER AND COMPANY RESPONDING:

SEE ADDITIONAL INFORMATION

(USE REVERSE SIDE OF FORM IF ADDITIONAL SPACE IS REQUIRED)

COMPANY OR COMPANIES RESPONDING: #7 Pump

NUMBER OF MEN: 3 (Lt. Phinney, ff Sherb, fffMacmillan)

WHAT UTILITY COMPANY CALL (IF ANY)

DOES THIS CALL MERIT FURTHER INVESTIGATION: (IF SO, STATE REASON)

EQUIPMENT USED: ---

SHIFT NUMBER #4

SENIOR OFFICER RESPONDING Lt. M. Phinney

STATION NUMBER 2

REPORT NUMBER

ADDITIONAL INFORMATION

Message received from Gulf was that there was a gasoline spill in the compound. On arrival and information received from Gulf was that a Trimac driver pumped from his tank truck and overfilled a new storage tank, spilling approximately 300 gallons of gasoline. Gulf had phoned Clark's Septic Service and arrived on the scene approximately 1630 hours to take off the excessive gasoline that had gone into a low area of ground. Stood by with a charged hand line ready in case of accidental ignition or static ignition, while Clark's Septic Service was sucking up the gasoline. There was no dike around the storage tank in question.

Capt. R. Dean and Inspector J. Ryan were at the scene.

Brian Durupt of the Environmental Department was in Neepawa when the head office notified him of the problem. He arrived on the scene at approximately 1725 hours and took control of the gasoline spill at that time.

Brian Durupt and Capt. R. Dean (Inspector) of the Brandon Fire Department talked the situation over, and decided that the problem was not that hazardous and that Gulf could wait until Thursday morning to have the spill cleaned up and left in a safe condition.

Lt. M. Phinney
BRANDON FIRE DEPARTMENT

ADDITIONAL INFORMATION

March 11th, 1982
1330 hours

RE: Gasoline Spill March 10th, 1982
Gulf Station at 1525 - 18th Street

Please be advised that Fire Chief E. C. Polnick and Inspector R. Dean had a meeting with Mr. Simpson, Senior Representative for Gulf Canada Ltd.. At this time Mr. Simpson stated that the dike around their farm bulk tanks would be built within the next two days. Also, the driver of Trimac Trucking Company will be suspended from his job for two weeks pending further investigation by Gulf Canada Ltd. -

Capt. R. Dean
FIRE INSPECTOR
City of Brandon

CALL WHERE THERE WAS NO FIRE

LOCATION 1525 - 18th Street DATE March 11th 19 82OWNER Gulf Canada Products Company ADDRESS s/aOCCUPANT Gulf Station (self serve)ALARM REC'D: PHONE 728-1499 MESSENGER OTHER TRANSMITTED BY: NAME ADDRESS TIME OF ALARM: 0950 hours RETURN TIME: 1105 hours

- ☒ RESCUE OR EMERGENCY CALL (Aid Person, Save Property, Etc.)
☐ NEEDLESS CALL (Smoke or Steam Scare, Etc.)
☐ ACCIDENTAL ALARM (While Testing or Working on Private Alarm)
☐ FALSE ALARM (Describe Steps Taken to Apprehend Person(s))
☐ INVESTIGATION (Odors, Gas Leaks, Etc.)
☐ LOCAL ALARM SYSTEM

DESCRIBE IN DETAIL ACTION CARRIED OUT BY OFFICER AND COMPANY RESPONDING:

On arrival at the clean-up site, Brian Durupt of the Environmental ControlDepartment was there to look after clean-up operations. Walley Johnsonhad two trucks and front end loader to scrape ground and clean up thespilled gasoline. Approximately 317 gallons leaked to the ground.

(USE REVERSE SIDE OF FORM IF ADDITIONAL SPACE IS REQUIRED)

COMPANY OR COMPANIES RESPONDING: #7 Pump, #8 AmbulanceNUMBER OF MEN: 3WHAT UTILITY COMPANY CALL (IF ANY) DOES THIS CALL MERIT FURTHER INVESTIGATION: (IF SO, STATE REASON) EQUIPMENT USED: 150' 1½" hose lineSHIFT NUMBER #2 SENIOR OFFICER RESPONDING Lt. G. WhiteSTATION NUMBER 2 REPORT NUMBER

CALL WHERE THERE WAS NO FIRE

LOCATION 1525 - 18th Street DATE March 27th 19 81OWNER Gulf Oil of Canada Ltd. ADDRESS s/aOCCUPANT s/aALARM REC'D: PHONE 727-2371 MESSENGER _____ OTHER _____TRANSMITTED BY: NAME Mr. Terry Murphy ADDRESS _____TIME OF ALARM: 1525 hours RETURN TIME: 1800 hours

- ☐ RESCUE OR EMERGENCY CALL (Aid Person, Save Property, Etc.)
☐ NEEDLESS CALL (Smoke or Steam Scare, Etc.)
☐ ACCIDENTAL ALARM (While Testing or Working on Private Alarm)
☐ FALSE ALARM (Describe Steps Taken to Apprehend Person(s))
☒ INVESTIGATION (Odors, Gas Leaks, Etc.)
☐ LOCAL ALARM SYSTEM

DESCRIBE IN DETAIL ACTION CARRIED OUT BY OFFICER AND COMPANY RESPONDING:

Received call of a gasoline spill at said address. On arrival found
a undetermined amount of gas on the ground around a storage tank which
was holding 14,500 gallons at that time. J.A. Pump Service and Clark's
Septic Tank Service were called in for mop up operations. Under
investigation at this time by Inspectors R. Dean and Lt. F. Watt.

(USE REVERSE SIDE OF FORM IF ADDITIONAL SPACE IS REQUIRED)

COMPANY OR COMPANIES RESPONDING: #7 Pump, #8 AmbulanceNUMBER OF MEN: 3WHAT UTILITY COMPANY CALL (IF ANY) ---

DOES THIS CALL MERIT FURTHER INVESTIGATION: (IF SO, STATE REASON) Yes, by the
Brandon Fire Department Inspection Division and the Clean Environment Dept.
in Winnipeg.

EQUIPMENT USED: ---SHIFT NUMBER #1SENIOR OFFICER RESPONDING Lt. M. WhiteSTATION NUMBER 2REPORT NUMBER 176

CALL WHERE THERE WAS NO FIRE

LOCATION 1525 - 18th Street DATE February 23rd 19 81
OWNER _____ ADDRESS _____
OCCUPANT Gulf Service Station
ALARM REC'D: PHONE 727-2371 MESSENGER Bulk Station Manager OTHER _____
TRANSMITTED BY: NAME Terry Murphy ADDRESS s/a
TIME OF ALARM: 0927 hours RETURN TIME: 1800 hours

- ☐ RESCUE OR EMERGENCY CALL (Aid Person, Save Property, Etc.)
☐ NEEDLESS CALL (Smoke or Steam Scare, Etc.)
☐ ACCIDENTAL ALARM (While Testing or Working on Private Alarm)
☐ FALSE ALARM (Describe Steps Taken to Apprehend Person(s))
☒ INVESTIGATION (Odors, Gas Leaks, Etc.)
☐ LOCAL ALARM SYSTEM

DESCRIBE IN DETAIL ACTION CARRIED OUT BY OFFICER AND COMPANY RESPONDING:

Upon arrival found an undisclosed amount of gasoline which was in a diked
area around a 95,000 gallon storage tank. A clean up crew was called in
from Winnipeg by the Enviromental Corp. of Manitoba. As this crew failed
to be successful in cleaning up this problem. Clarks septic tank service
was brought into complete the operation and the gasoline was taken to the
City Dump to be burned off. 25 gallons of foam was used.

(USE REVERSE SIDE OF FORM IF ADDITIONAL SPACE IS REQUIRED)

COMPANY OR COMPANIES RESPONDING: #7 Pumper, #6 Pumper, #5 Ambulance

NUMBER OF MEN: 6

WHAT UTILITY COMPANY CALL (IF ANY) _____

DOES THIS CALL MERIT FURTHER INVESTIGATION: (IF SO, STATE REASON) Under
investigation by Capt. R. Dean and lt. F. Watt of the Brandon Fire Department.

EQUIPMENT USED: 1 - 1½" line and standard foam

SHIFT NUMBER #1

SENIOR OFFICER RESPONDING Capt. Fraser

STATION NUMBER 1 & 2

REPORT NUMBER 98

Also responding - Chief Polnick
Deputy Murison

E238 & 239

BRANDON FIRE DEPARTMENT

DOCUMENTS (3 PAGES) ON

GASOLINE ODOUR & SOIL HYDROCARBON

NORTH PROPERTY LINE OF CANADIAN TIRE

MARCH & APRIL 1990

NOTE FOR FILE

March 7th, 1990
1655 - 18th Street
Brandon, Manitoba

I received a call from I.C.G. re: gas odour at the north side of Canadian Tire. They were digging about 25-30 feet north of Canadian Tire gas meter, approximately 8 feet deep.

A sample of the dirt was taken and is to be sent into the environment office in Winnipeg to be checked. The hole was filled in as soon as we left.

Insp. Norm Ward
FIRE PREVENTION DIVISION
City of Brandon

NW:cb

Date Received

Y	M	D
90	03	27

COMMENTS:

Exempel: BN Stichen

Date Mar 30/90

NOTE FOR FILE

April 5th, 1990
18th Street South
Area Near Canadian Tire

RE: Laboratory Report Dated 90-03-27

Area near Canadian Tire - 18th Street South.

Sample of soil that was tested in Winnipeg.

800 ppm is considered to be the safety standard.

This sample tested at 8600 pm - 10% over the safety limit.

It was recommended to me that no basements should be built on this property and the area should be flagged to prevent accidents.



Capt. R. Dean
FIRE INSPECTOR
City of Brandon

RD:cb

CANADIAN TIRE PROPERTY
SITE REMEDIATION - STAGE 1 & 2
RELEVANT CORRESPONDENCE (13 PAGES)

- Geokwan memo to Maple Leaf Enterprises
- Workers Compensation Board letter dated Nov. 21/90
- Certificate of Insurance for Maple Leaf Enterprises
- Geokwan letter dated Nov. 21/90 to M. Dillabough
- GT Smith quotation dated Nov. 20/90
- Geokwan letters dated Nov. 16 & 27/90 to GT Smith
- Geokwan letter dated Nov. 21/90 to Cumming & Dobbie
- Cumming & Dobbie quotation dated Nov. 21/90 & certificate of insurance.

ENVIRONMENTAL
SENDOYER
TO A

MAPLE LEAF ENTERPRISES LTD.

WINNIPEG, MB.

ATTN: BILL VANLINGE

GEOKWAN ENVIRONMENTAL LTD.
GEOKWAN ENGINEERING LTD.
Consulting Geotechnical Engineers
110 - 1204 Border Street
Winnipeg, Manitoba R3H 0M7
103-A SCURFIELD BLVD.

SUBJECT SITE REMEDIATION - STAGE 1
Sujet RE: CANADIAN TIRE PROPERTY, BDN
MESSAGE
REF. REF. E 238
DATE NOV. 15/90

BILL: ENCLOSED ARE 3 SITE SERVICE DRAWINGS (i.e. SITE PLAN & DETAILS A-1; OUTDOOR ELECTRICAL WORK E-1 FOR THE OLD STORE AND SITE PLAN E-1 FOR THE NEW ADDITION). PLEASE NOTE THAT A MAJOR TRENCH HOUSING COMPUTER, HYDRO, MTS CABLES BETWEEN THE GAS BAR AND STORE IS SHOWN ON THE SITE PLAN E-1. AT THIS LOCATION, THE TRENCH BELOW THE ASPHALT MUST BE DUG BY HAND TO AVOID DAMAGE. IN ADDITION, HAND DIGGING IS RECOMMENDED IN AREAS WHERE SUSPECTED BURIED CABLES ARE PAINTED IN ORANGE COLOR ON THE PAVEMENT. ON THE SOUTH SIDE OF THE STORE, THE SE TRENCH IN FRONT OF THE SERVICE CENTRE CAN BE DONE AT ANY TIME, PROVIDED PROVISIONS ARE MADE TO ALLOW TRAFFIC

REPLY FROM DATE
RÉPONSE DE "IN & OUT" OF THE SERVICE DAYS. THE SW SECTION MUST BE DONE ON SUNDAY, NOV 18/90, WITH THE COLD MIX ASPHALT PLACED AND COMPLETED BY 9 A.M., NOV 19/90. OUR INSPECTOR FOR THE STAGE 1 WORK IS ROB KUPCHAK. ALL BROKEN ASPHALT AND EXCAVATED SOILS SHALL BE REMOVED TO THE SWAMP AREA AS DIRECTED. ALL OPEN TRENCHES SHALL BE BACK FILLED PROPERLY THE SAME DAY.
Yours Truly,
C.C. H. LAW, ETC, TORONTO
M. DILLABOUGH, ETC, BDN.
R. KUPCHAK, GEOKWAN

(DETACH THIS COPY AND RETAIN FOR FOLLOW-UP) (CONSERVER CETTE COPIE POUR VOTRE CONTRÔLE)

**Workers Compensation
Board of Manitoba**

100 - 696 Portage Avenue, Winnipeg R3G 0M6
rural Manitoba call Toll Free 1-800-362-3340
Telephone 786-9569 or 786-8144 • Fax 204-783-4576

Assessment
Clearance

Geokwan Engineering Ltd.
110-1294 Border Street
Winnipeg, MB
R2C 2Z2

November 21, 1990

Ref. No. 066323-7

Your Firm Number is 099586-0

Dear Sir/Madam:

Re: Work Complete
Canadian Tire Corporation Ltd.
at Brandon, Manitoba

Maple Leaf Enterprises Ltd., Environmental Drilling, 2165 Norris Road, Winnipeg, Manitoba, R2C 2Z2, has complied with the requirements of the Workers Compensation Board of Manitoba. Final settlement for work performed on the above project will be in order.

Thank you for your co-operation.

Yours truly,

Mrs. C. Rerick
Clearance Officer

Direct Line (204)786-8144

/rbp

cc: Maple Leaf Enterprises Ltd.

DEPRES HARLAND & ASSOCIATES

INSURANCE & SURETY BROKERS LTD.

CERTIFICATE OF INSURANCE

To: CANADIAN TIRE CORPORATION LTD.

Re: VENTING SYSTEM
CANADIAN TIRE STORE, BRANDON, MANITOBA

Name of Insured: MAPLE LEAF ENTERPRISES LTD.

Address: P.O. BOX 1, GROUP 518, R.R. #5
WINNIPEG, MANITOBA
R2C 2Z2

COMPREHENSIVE GENERAL LIABILITY

Policy No: COM9051458
Insurer: SOVEREIGN GENERAL INSURANCE COMPANY
Limit: \$1,000,000.00
Term: OCTOBER 8, 1990 - OCTOBER 8, 1991

AUTOMOBILE EXTENSION INSURANCE

Policy No:
Insurer:
Limit: - Total of \$ when added to Basic Autopac
Term:

The above Comprehensive General Liability policy is extended to cover the following Named as an Additional Insured(s): CANADIAN TIRE CORPORATION LTD.

but only insofar as their Legal Liability arises out of Negligent Operations of: MAPLE LEAF ENTERPRISES LTD.

Comprehensive General Liability includes:

Premises and Operations, Products and Completed Operations, Owners Protective, Contractors Protective, Personal Injury, Broad Form Property Damage, Broad Form Automobile, Contingent Employers Liability, Medical Payments, Occurrence Basis Property Damage, Blanket Contractual, Non-Owned Automobile, Pollution Exclusion, Cross Liability, Employees As Additional Insureds, Thirty (30) Day Notice of Cancellation, Canadian Tire Corporation Ltd. as Additional Insureds

Depres Harland & Associates

Dated: NOVEMBER 13, 1990

Signed: per 

Geokwan Environmental Ltd

ENVIRONMENTAL ENGINEERS

Canadian Tire Store
1655 - 18th Street
Brandon, Manitoba

November 21, 1990

FAXED

ATTENTION: Mr. Merv Dillabough

Dear Sir:

RE: Site Remediation - Stage 2
Canadian Tire Property
Brandon, Manitoba
Our Project No. E239

As you are aware, the stage 2 site remediation of your property will be managed by Geokwan Environmental Ltd., with the equipment and labour being supplied by Cummings & Dobbie of Brandon.

Asphalt cutting using 2 separate crew and a dry method will start tomorrow, November 22, 1990. We have been advised by the supplier of pavement saw blades in Winnipeg that where possible, water should be used to cut asphalt, to avoid problems (see attached letter). To satisfy your requirements, we will start with dry cutting. However, if there are lots of cutting problems, we will have to get your permission to use water in the less critical areas (i.e. the areas away from the northwest quadrant of the parking lot).

There will be two crew, each working on a 10 hour shift (9 p.m. to 7 a.m. and 7 a.m. to 5 p.m.) per day. After completion of the northwest quadrant of the parking lot, the night shift hours may be changed to 5 p.m. to 3 a.m. or so. At present, the day and night crew will be headed by our field engineers, Robert Kupchak B.Sc.(GE) and Harley Pankratz P. Eng., respectively. They are staying at the Colonial Inn in Brandon.

As discussed with Mr. Cruse today, shipments of the styrofoam insulation and PVC pipes will be arriving on the evening of November 21 and 22, 1990, respectively. We would appreciate your assistance in receiving the shipments and offering some temporary storage space, if possible. In addition, we will have a small trailer on site for storing tools and use as a temporary shelter at night. We will also require temporary power for the trailer. Harley will check with you tomorrow as to where the trailer can be located and where power can be obtained?

November 21, 1990

- 2 -

E239

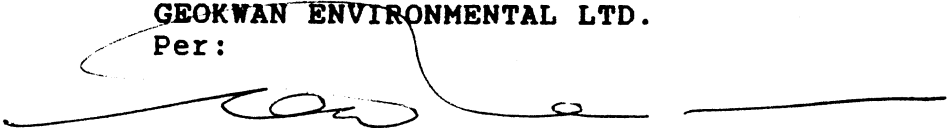
We request that effective November 23, 1990, the lighting in the parking lot be turned on at night to at least 8 A.M. in the morning, so that the night crew can work properly.

If you have any concerns or questions, please contact our field engineers or the writer directly.

Yours truly,

GEOKWAN ENVIRONMENTAL LTD.

Per:



Walter Kwan, M. Eng., P. Eng.

WK:ew

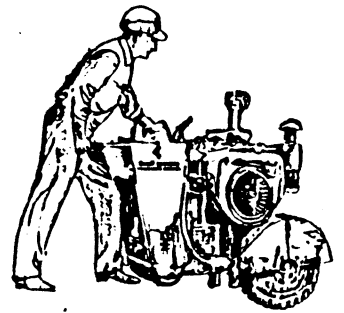
Enclosure

c.c. Hugh Law, CTC, Toronto

GEOKWAN ENVIRONMENTAL LTD.

Graff

Diamond Tool Sales



Largest Selection of Diamond Sawblades and Coring Bits

346 Selkirk Avenue
Winnipeg, Manitoba
R2W 2M1
Tel.: (204)943-6111
Fax: (204)582-6387

Those are dri cut blades, but for asphalt you should use water or the asphalt will stick to the blade and will plug up the diamonds and the blades won't cut properly.

G.T. Smith & Sons (1968) LTD. **ELECTRICAL CONTRACTORS**

Geokwan Eng. Ltd:
Walter W. Kwan.

859-9th STR.

BOX 343
BRANDON, MANITOBA
R7A 4B7
FAX 727-1661

Dear Sir;

We are pleased to submit our price to connect your pumps at Canadian Tire in Brandon as per discussions with you and,

- ① *gas bar: 2 units on roof or on ground*
- ② *store: south west corner, 1 unit on roof.*
- ③ *" north west corner, 1 unit on ground.*
- ④ *" north east corner, 1 unit on ground.*
- ⑤ *" south east corner, 1 unit on ground.*
- ⑥ *lite standard south east of service bay, 2 units on ground*

All junction boxes at units will be explosion proof.

Owners pumps to have cords & control switches with cords long enough to reach our junction boxes.

We will supply a strain relief connector & explosion proof fitting where cord enters our boxes.

For the contract sum of \$4,490.00 (four thousand, four hundred & ninety dollars).

We would be able to start the work on Tues Nov 20/90

Thank you
Bruce Smith

Geokwan Environmental Ltd

ENVIRONMENTAL ENGINEERS

G.T. Smith & sons (1968) Ltd.
Box 343, Brandon, MB R7A 4B7
R7A 4B7

November 16, 1990

ATTENTION: Mr. Bruce Smith

RE: Supply and Installation of 8 Separate 20 Amp 125V Circuits
And Electrical Connection For 8 Separate Pumps
Your Faxed Quotation Dated November 16, 1990
Canadian Tire Property, Brandon, MB Our Project E238 & 239

Further to our telephone discussion this evening, we are pleased to confirm, on behalf of Canadian Tire Corporation Ltd., the acceptance of your above noted quotation for a firm price of \$4,490.00.

This acceptance is on the understanding that your price will include the supply and installation of all labour, materials, applicable permits, all taxes (FST, PST, GST, etc.) necessary to complete the work to the satisfaction of Canadian Tire Corporation Ltd. and Geokwan Environmental Ltd. Because of the very tight schedule of this project and the desire to complete the work before "freeze up", you have agreed that at no extra cost, you will coordinate with the trenching contractor, Maple Leaf Enterprises (Foreman, Bill VanLinge who stays at the Colonial Inn in Brandon) to lay down the cables as required, on short notice, especially the proposed buried explosion proof cable needed from the south east corner of the service centre to the gravel area and on the east side of the most northeasterly light pole along the east limit of the asphaltic concrete pavement. In this regard, the trench on the south side of the store will be patched with cold mix asphalt on Monday morning, November 19, 1990. Therefore, the proposed buried cable from the southeast corner of the service centre will have to be in place (i.e. roughing in) by Sunday afternoon, November 18, 1990. Otherwise, the cold patch asphalt at the south east corner of the building has to be re-dug for you to lay the cable. Your immediate attention to this matter will be appreciated by all parties concerned. You may contact the writer for any questions, who will be in Brandon on Sunday, November 18, 1990. Please obtain approval from Mr. Merv Dillobough of Canadian Tire for site access and the hours which you will be permitted working inside the store. Your invoice for this work should be addressed to Canadian Tire Corporation Ltd., c/o Geokwan Environmental Ltd.

Yours truly,
GEOKWAN ENVIRONMENTAL LTD.

Walter Kwan, M. Eng., P. Eng.

c.c. H. Law, CTC, Toronto
M. Dillobough, CTC, Bdn
B. VanLinge, Maple Leaf

103-A SCURFIELD BLVD. WINNIPEG, MB. CANADA R3Y 1M6
TELEPHONE (204) 488-8103 FAX (204) 488-8102

Geokwan Environmental Ltd

ENVIRONMENTAL ENGINEERS

GT Smith & Sons Ltd.
Box 343
Brandon, MB
R7A 4B7

November 27, 1990

FAXED

ATTENTION: Mr. Bruce Smith

Dear Sir:

RE: Repair To A Parking Lot Lighting Cable
Canadian Tire Property, Brandon
Our Project No. E239

The above noted cable was cut in the zone of frozen soils at about 14" from grade by the excavation crew last night. About 5' of the affected trench excavation is presently left open and surrounded with barricades.

Will you please visit the site as soon as possible and give the writer an estimate of the cable repair. We wish to see the cable fixed today, if possible. If you have any questions, please contact our field engineer, Rob Kupchak who is presently working at the south parking lot.

Yours truly,

GEOKWAN ENVIRONMENTAL LTD.

Per:



Walter Kwan, M. Eng., P. Eng.

WK:ew

c.c. Hugh Law, CTC, Toronto

Geokwan Environmental Ltd

ENVIRONMENTAL ENGINEERS

Cumming & Dobbie
P.O. Box 1927
Brandon, Manitoba

November 21, 1990

FAXED

ATTENTION: Mr. Richard Osterbeck

Dear Richard:

RE: Supply of Equipment & Operators
Canadian Tire Property, Brandon
Our Project No. E239

We are pleased to accept your quotation faxed at 17:05 on November 21, 1990 for the above noted project on the condition that you are responsible for your workers and equipment relative to workers compensation and general liability insurance.

As discussed, we shall require two operators and two pavement saws (item 4 of your quotation) for cutting asphalt starting at 8:30 A.M., November 22, 1990. Please meet our field engineers Harley Pankratz, P. Eng. and Rob Kupchak, B.Sc.(GE) at the south parking lot at that time.

Excavation and trenching for 2 separate shifts (10 hours per shift) per day will start on November 23, 1990. The following will be required for each shift:

- 1) One 416 Cat Backhoe (12" bucket) with operator
- 2) Two laborers (non-skilled)
- 3) One Bobcat only
- 4) One Tandem dump truck (10 cu.yd.)

As mutually agreed, the dump truck will be charged at \$35 per hour only when it is being used and occupied by a driver. That portion of time when the truck was parked with no driver near the trench for receiving dirt will be free of charge.

The plate tamper and construction shack will be rented directly by us through Regent Rental in Brandon.

Regarding the range of working hours per shift, please finalize these with Harley on site.

November 21, 1990

- 2 -

E239

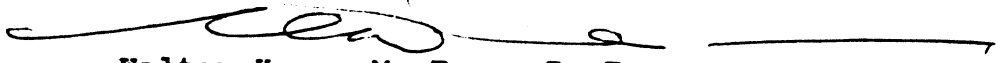
Please note that your invoice for the services should be addressed to Canadian Tire Corporation Ltd, c/o Geokwan Environmental Ltd, 103-A Scurfield Blvd, Wpg, MB. Payment terms are net 30 days.

We trust that you will find the foregoing as per our discussion. If you have any questions, please call the writer.

Yours truly,

GEOKWAN ENVIRONMENTAL LTD.

Per:



Walter Kwan, M. Eng., P. Eng.

WK:ev

c.c. Hugh Law, CTC, Toronto

GEOKWAN ENVIRONMENTAL LTD.

- Sand and Gravel
- Black Earth
- Excavation
- Demolition



- Backhoe
- Cats
- Trucks
- Loaders

Telephone: 726-0790

P.O. Box 1927
Brandon, Manitoba, Canada
R7A 6S7

Facsimile: 727-6075

Nov. 21, 1990.

Geokwan Environmental Ltd.,
103-A Scurfield Rd.,
Winnipeg, Man.

Attn: Walter Kwan

Re: Canadian Tire, Brandon, Man.

Revised Quotation:

We quote as follows to supply men and equipment for the above project:

1. Supply labourers (capable of operating on-site equipment): \$18.00 hr.
2. Supply two labourers (non-skilled): \$12.00 hr.
3. Supply on site: 416 Cat Backhoe (12" bucket) - \$45.00 per hr. when in u
Bobcat \$35.00 per hr. when in u
Tandem Dump Truck (10 cu. yd.) \$35.00 per hr. when in u
4. Supply pavement saw with operator (non-skilled)
- two available if required) - Geokwan to supply
saw blades: \$22.00 hr.
5. Deliver sand to site: \$8.00 cu. yd.
Deliver A-Base gravel to site: \$9.00 cu. yd.

Note: Plate tamper available through Regent Rentals at \$140.00 per week
- 10 hour day.

Construction shack (8' x 12') available through Regent Rentals
at \$150.00 for two weeks.

CUMMING & DOBBIE (1986) LTD.

Richard P. Osterbeck

Richard P. Osterbeck

RPO/ss



Reed Stenhouse Limited
8-223 18th St. N., Redwood Plaza
Brandon, Manitoba R7A 2V8
Phone (204) 728-9153
Fax (204) 727-5317

TO: GEOKWAN ENVIORNMENTAL LTD.
103 A Scurfield Road
Winnipeg, Man. R3Y 1G3

This is to Certify that Insurance as described hereunder has been arranged for the Insured named herein on whose behalf this certificate is executed and we hereby certify that such insurance is in full force and effect.

Insured: Cumming & Dobbie (1986) Ltd.

Address: Box 1927, Brandon, Man. R7A 6S7

Type & Insurer	Policy No.	Effective	Expiration	Limits of Liability
General Liability	COM 9046829 Sovereign General	Dec 1/89	Dec 1/90	\$1,000,000 inclusive Bodily Injury and Property Damage
Automobile Liability				\$ inclusive Bodily Injury and Property Damage
Other Insurance				

Special Conditions Applicable to Addressee:

Date: November 21/90

REED STENHOUSE LIMITED

Dennis Shuck