

# FACSIMILE COVER SHEET

THIS MESSAGE IS TO:	THIS MESSAGE IS FROM:
Don Milless Name	Kevin Pierson Name
MPCA Tanks & Spills Company/Branch	Z-10-92 Date
297 - 8676 Fax Number	659-7515 Fax Number
Phone Number	<u>659-7587</u> Phone Number

MESSAGE: #4981

Please review the following work plan, If it is OX please Sign it and FAX it back to me. The client wants to begin work ASAP.

Thank you,

Kevin

This message includes this cover sheet and \_\_\_\_\_ additional page(s). Please contact us if you do not receive all of the

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P.02

TO

#11981



662 CROMWELL AVENUE ST. PAUL, MN 55114 PHONE 612/645-3601

February 7, 1992

Mr. Charles Bohrer Normandale Properties Incorporated Suite 678 International Plaza Bloomington, MN 55425

Dear Mr. Bohrer,

Subject: Product Recovery Work Plan

International Plaza

TCT Project #4231 92-630

#### 1.0 INTRODUCTION

Twin City Testing Corporation (TCT) has prepared the following work plan to recover hydraulic oil that has leaked from an elevator system at the International Plaza site. The oil leaked into an elevator well. The well has a total depth of 50 feet with approximately 3.5 feet of sediment in the bottom. The well is cased with 20 inch diameter steel casing but is open on the bottom. Approximately 30 gallons of hydraulic oil was reportedly released into the well. Given the casing diameter, there should be approximately 2 feet of oil on the water surface.

Two representatives of TCT conducted an initial site assessment on February 3, 1992. A transparent bailer was used to assess the product thickness. There was 0.8 feet of product at the surface and a 1.2 foot zone of an apparent oil/water mix. The fluid level was 5.15 feet below the top of casing. Jerry Stangret of Midwest Drilling, the well installer, assured us that substantial pumping of the well would result in little drop in the water level.

A MSDS sheet for the oil is attached. The oil is listed as non-hazardous. It is defined as a solvent-dewaxed heavy paraffinic petroleum distillate. The specific gravity is listed as 0.87 so it should all be floating on the water surface. The solubility was not listed.

#### 2.0 WORK PLAN

TCT recommends that the following tasks be conducted to remove the free product, assess potential groundwater impacts, and treat the groundwater, if necessary.

Task 1 - Development of a work plan.

Task 2 - Product removal.

- Task 3 Groundwater Quality assessment.
- Task 4 Groundwater treatment.
- Task 5 Post Treatment water quality assessment.
- Task 6 Reporting.

# 3.0 METHODOLOGY

#### Task 1 - Work Plan

This work plan will serve as the guidance document for the tasks necessary to complete the assessment.

#### Task 2 - Product Removal

TCT has located a licensed waste oil hauler that has agreed to come out and pump off the upper 60 gallons of fluid from the well and properly dispose of it for \$575.00. A TCT technician would be present on site to document all product removal activities.

# Task 3 - Groundwater Quality Assessment

Once the product has been removed the TCT technician will collect a sample of the water in the well to assess its suitability for discharge to the storm sewer system. The sample will be collected using a laboratory cleaned bailer but the well will not be purged prior to sampling. Once the water sample has been collected, it will be placed in a cooler for transport to the TCT laboratory for analyses. The samples will be logged in and a chain of custody form completed. The sample will analyzed for total petroleum hydrocarbons as fuel oil (THFO), benzene, toluene, ethylbenzene, and xylenes (BTEX).

#### Task 4 -Groundwater Treatment

If BTEX analytical results indicate concentrations in excess of the Minnesota Department of Health (MDH) Recommended Allowable Limits (RALs) then an emergency discharge permit will be applied for. If granted, approximately 3 well volumes will be purged into the storm sewer system and the well resampled. If the analytical results indicate potential hydrocarbon concentrations at a level acceptable to the Minnesota Pollution Control Agency (MPCA), then no further action will be recommended and the results will be forwarded to the MPCA for approval to close the site.



International Plaza February 7, 1992 Page 3

### Task 5 - Reporting

All results associated with the study will be incorporated into a letter report that will present data generated from site activities and chemical analyses. Recommendations will also be provided for future actions if necessary.

## 5.0 PERFORMANCE SCHEDULE

The product will be removed and the first sample collected within one week of receiving written MPCA approval of this work plan. A one week rush will be designated for chemistry turnaround. If well purging is necessary, it will be completed within two days of obtaining the required permits to discharge the water. A one week turnaround will again be specified for the analytical results. A written report will be generated within three days of receiving the final chemistry report. The project should be completed in under one month total time.

TCT appreciates the opportunity to have prepared this work plan for Normandale Properties and looks forward working with you in completing the proposed scope of work.

Very truly yours,

Kevin Pierson

Kevin Pierson Hydrogeologist/Senior Project Manager

MPCA approval of this workplan:

Don Milless. Site Project Manager

**KP** 

**Enclosures** 



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#### TEXACO INC. GIENE, TOXICOLOGY, AND MATER L INDUSTRIAL SAFETY DATA SHEET

TO

NOTE: NO REPRESENTATION IS MADE AS TO THE ACCURACY OF THE INFORMATION HEREIN. SEE PAGE 7 FOR CONDITIONS UNDER WHICH DATA ARE FURNISHED,

de Name and Sy		2/
01657 RANDO		26
Manufacturer's Nem	A=	,
Texaco Inc.	(914) 831-3400 ext. 204	
	9 Bescon, NY 12508	
	nd/or Family or Description	
Hydraulic Oi		
THIS PRODUCT IS	S CLASSIFIED AS: X NOT HAZARDOUS:	
HAZARDO	OUS BY DEFINITION NO.(S)	NATION SHEETS
WARNING STA-	ATEMENT: ONE CONSIDERED NECESSARY	
	AL CONTROL PROCEDURES (CLUB)	
Protective Equipmen Eyes:	ent (Type) Chemical type goggles or face shield optional.	
Skin	Exposed employes should exercise reasonable person this includes cleansing exposed skin areas several with soap and water, and laundering or dry cleanin clothing at least weekly.	times daily
Inhalation:	None required if exposures are within permissible see below.	concentrations;
Ventilations	Adequate to meet permissible concentrations.	
Permissible Concentr	ntrations:	
Air:	5 mg/cubic meter of air for mineral oil mist average hour daily exposure (ACGIH, 1985-86).	ged over an
EMERGENCY	ND SHST AID PROSESURES AND	
First Aid Eyes:	As with most foreign materials, should eye contact eyes with plenty of water.	occur, flush
Skirc	Wash exposed areas with somp and water.	
Ingestions	None considered necessary.	
Inhalation:	None considered necessary.	
ther instructions:	None.	

N.D. - Not Determined < - Less Then N.A. - Not Applicable
> - Greater Than -

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TO



PHYSIOLOGICAL	EFFECTS: Code No. 201657
Effects of Exposure	
Eyes	Causes minimal eye irritation. Transient minor irritation may be noted following initial contact.
Sirc	Slightly irritating with possible redness, edema, or drying of the skin.
Respiratory Systems	Believed to be minimally irritating if not in excess of per- missible concentrations; see page 1.
Chronic	N.D.
Other:	<del>-</del>
Sensitization Propertie	<b>.</b>
Skin: Yes N	lo — Unknown — Respiratory: Yes — No — Unknown —
Median Lathal Dose (L)	D <sub>so</sub> LC <sub>so</sub> MSpecies) Similar product >22.4g /kg (rat); practically non-toxic
Inhelation	N.D
Dermal	Similar product >3.0g/kg (rabbit); practically non-toxic N. D.
irritation Index, Estima	tion of tritiation (Species)
Skin	0.79/8.0 (rabbit): slightly irritating 8/110 (rabbit): no appreciable effect
Symptoms of Exposure	
FRE PROTECTION	
ignition Temp. <sup>D</sup> F	N.D. Plash Point of Method 385 F (COC)
Flammable Limits (%) Products Evolved Whe	Lower N.D.  n Subjected to Heat or Combustion: Carbon monoxide, carbon dioxide, and aldehydes and ketones may be formed.
Jracusi or Explosive H	disperse the Vapors and Special Procedures: According to the National Fire Protection Association Guide, use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.  Herefore, None.
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N.A. - Not Applicable > - Greater Than

TO .



ENVIRONMENTAL	PROTECTION					ode 17	
Procedures in Case o	Under RCRA, i determina, al criteria for transformatio ing material	the time hazardous ons, mixtur hazardous. kage: (Transport i if possib	of dispos waste. I e, proces (See Rema ation Spills (	al, wheth his is be ses, etc. ths for W his CHEMTRES	er produ cause pr may ren aste Cla (800) 42	ct meets oduct us der the ussificat	RCRA es, result- ion.)
t	laste Classif eristics and liscarded in	does not	meet crit	eria of m	luated hazardo	for RCRA	charac- if
PRECAUTIONS			などは				
	N	CORROCIZMOD SMO	NECESSARY				
Requirements for Trans Minimum feas exposure to should be av	ible hendlin high tempera	g temperati					
DOT Proper Shipping N DOT Hazard Class (If a							
CHEMICAL AND P	HYSICAL PRO	PERTIES			No. of		
Boiling Point (PF)	N,D.		Vapor Press	N.D.		- (mmHg)	· .
Specific Gravity0.1	3681	P(20=1)	Vapor Densi	N.D.		(Air=1)	
Appearance and Odor	pale liquid	<u> </u>				<del></del>	
pH of undiluted produc	N.D.		Solubilly 1	I.D.			
Percent Volatile by Vok	<u>н. В.</u>		Evaporation	N.D.	<del>.</del>	. (	}= 1
Viscosity 31.5 cSt	e 40 °c	•	Other				
Hazardous Polymerization The Material Reacts Viol Air Water		ters is checked Strong	Do not öccu below, see Oxidizers X	r additional cor Oth			futher details) of These



Chemical/Common Name		CAS No.	Exposure Limi	<u>t</u>	Range	in 7	
Solvent-dewaxed heavy paraffi distillates	inic petroleum	64742650	5 mg/m3 ACGIH	_			
to the best of our knowledge, according to DSHA (1910.1200)	none of the abov	e listed co tate Right-	emponents is ha To-Know lists.	Zardous			
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PRODUCT SHIPPING LABEL

01657 RANDO OIL ND -32

NONE CONSIDERED NÉCESSARY

Chemical/Common Name

CAS No. Range in Z

Solvent-dewaxed heavy paraffinic petroleum distillates.

64742650 95.00 - 99.99

To the best of our knowledge, none of the above listed components is hazardous according to OSHA (1910.1200) or one or more state Right-To-Know lists.

HHIS

Health : 1 Reactivity : 0 Flammability: 1 Special

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, finmmable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic furnes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

HEALTH EMERGENCY TELEPHONE 18141-221-2400 EXT. 2041

Texaco Inc. 2000 Westchester Avenue White Plains, New York 10650 For Additional Information Conserning

Fuels/Lubricants/Antifreezes \* call (914) \$31-3400 (EXT.204) : Chemicals/Additivas salt (408) 722-8381 Transportation Spills



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	08-	20-86	n	New 🖺	Revised, Sup		04-16-8	6	COLDEN	<del></del>	_