

**FINAL CLOSURE REPORT
LEAKING UNDERGROUND STORAGE
TANK
AT
UNION PACIFIC RAILROAD
OLD HUDSON STATION
SEDALIA, MISSOURI**

11270-RS-1253

May 3, 1991

PREPARED BY:

**USPCI
5665 FLATIRON PARKWAY
BOULDER, COLORADO 80301**

USPCI

A Subsidiary of
Union Pacific Corporation

Remedial Services

May 13, 1991

Mr. Larry P. Coen
Leaking Underground Storage Tank Unit
Division of Environmental Quality
Department of Natural Resources
P.O. Box 176
Jefferson City, Missouri 65102

Re: Remediation Closure Report
Old Hudson Station
Sedalia, Missouri
11270-RS-1253

Dear Mr. Coen:

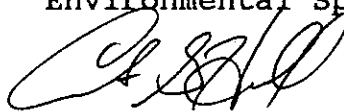
Enclosed are two copies of USPCI's Final Closure Report for two USTs which were removed at Union Pacific Railroad's Old Hudson Filling Station located in Sedalia, Missouri.

Thank you for your assistance in this matter.

Sincerely,



✓ Peggy D. Simone
Environmental Specialist



Curtis G. Hull
Program Manager
Environmental Assessments

PDS/CGH/

Enclosure

cc: Ed McNutt, UPRR
John Yellich, USPCI

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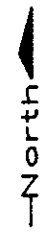
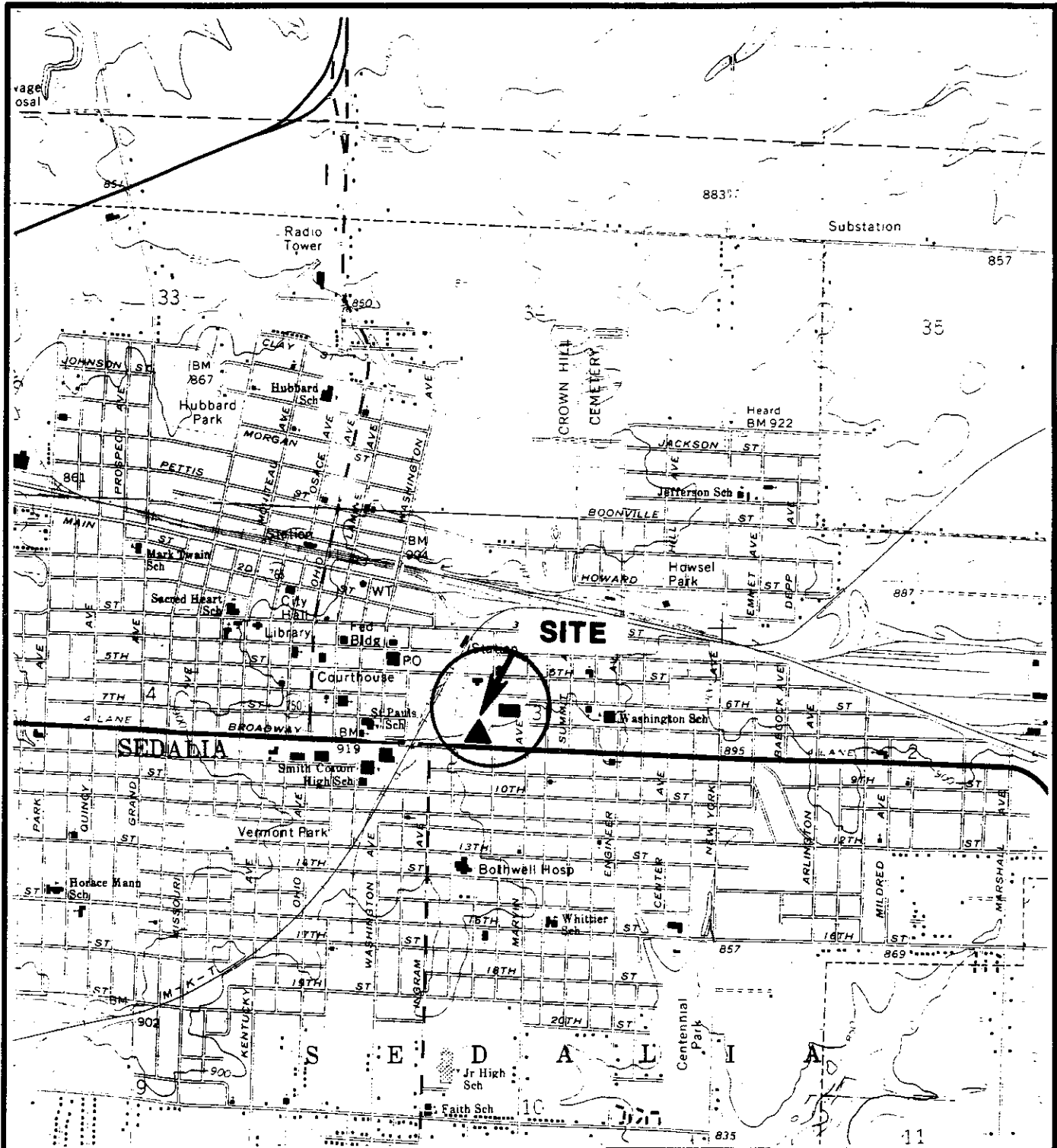
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1.0 INTRODUCTION

USPCI, as contractor to Union Pacific Railroad, conducted the removal of two underground storage tanks on November 10, 1990, at the Union Pacific Railroad's Old Hudson Station, 651 East Broadway, Sedalia, Missouri (Figure 1). A copy of the Notification for Underground Storage Tanks which was submitted to the Missouri Department of Natural Resources is shown in Appendix A. The tanks were found to have leaked and the Missouri Department of Natural Resources (MDNR), Laboratory Services Program was notified. After notification of the release, the MDNR gave USPCI verbal approval for remediation action at the Sedalia tank site. This final closure report contains the results of the implementation of remedial action and is intended as the final reporting on the Old Hudson Station site.



USPCI <small>A Subsidiary of Union Pacific Corporation</small>	
SEDALIA, MISSOURI	
FIGURE 1 SITE LOCATION MAP OLD HUDSON STATION	
SCALE: 1" = 2000'	APPROVED/DATE

2.0 BACKGROUND

On November 10, 1990, USPCI permanently closed two underground storage tanks at the Old Hudson Filling Station for Union Pacific Railroad in Sedalia, Missouri. Field designated as SED-7 and SED-8, these tanks will be discussed together because they were installed in a single excavation. The tank area was surfaced in concrete with an 18 inch retaining wall on two sides. Access to the site was somewhat restricted by trees, a telephone pole pedestal, a power pole and a water meter.

Both tanks were 12,000 gallon steel tanks. SED-7 held regular gasoline and was located on the west side of the excavation, and SED-8 held unleaded gasoline and was located on the east side. A 1/4" hole was observed on the north end of SED-7 during the tank removal.

At the time of removal, both tanks were out of service. A product line extended approximately 35 feet southeast from the tank area to a fuel island.

Table 1 shows the tank testing results during tank removal.

TABLE 1

TANK TESTING RESULTS DURING REMOVAL								
TANK#:	SED-7				SED-8			
TIME:	8:00am		10:00am		8:00am		10:00am	
DEPTH (FT)	%LEL	%O₂	%LEL	%O₂	%LEL	%O₂	%LEL	%O₂
1	100	21	10	2	10	21	3	1
2	100	21	10	2	10	21	3	1
3	100	21	10	2	10	21	3	1
4	100	21	10	2	10	21	3	1
5	100	21	10	2	10	21	3	1
6	100	21	10	2	10	21	3	1
7	100	21	10	2	10	21	3	1
8	100	21	10	2	10	21	3	1
9	100	21	10	2	10	21	3	1
10	100	21	10	2	10	21	3	1
11	100	21	10	2	10	21	3	1
12	100	21	10	2	10	21	3	1
13	100	21	10	2	10	21	3	1

After tank removal, it was arranged for Tanks Away in Federal Heights, Colorado to destroy the tanks. Certificates of destruction are filed in the USPCI, Boulder, Colorado office.

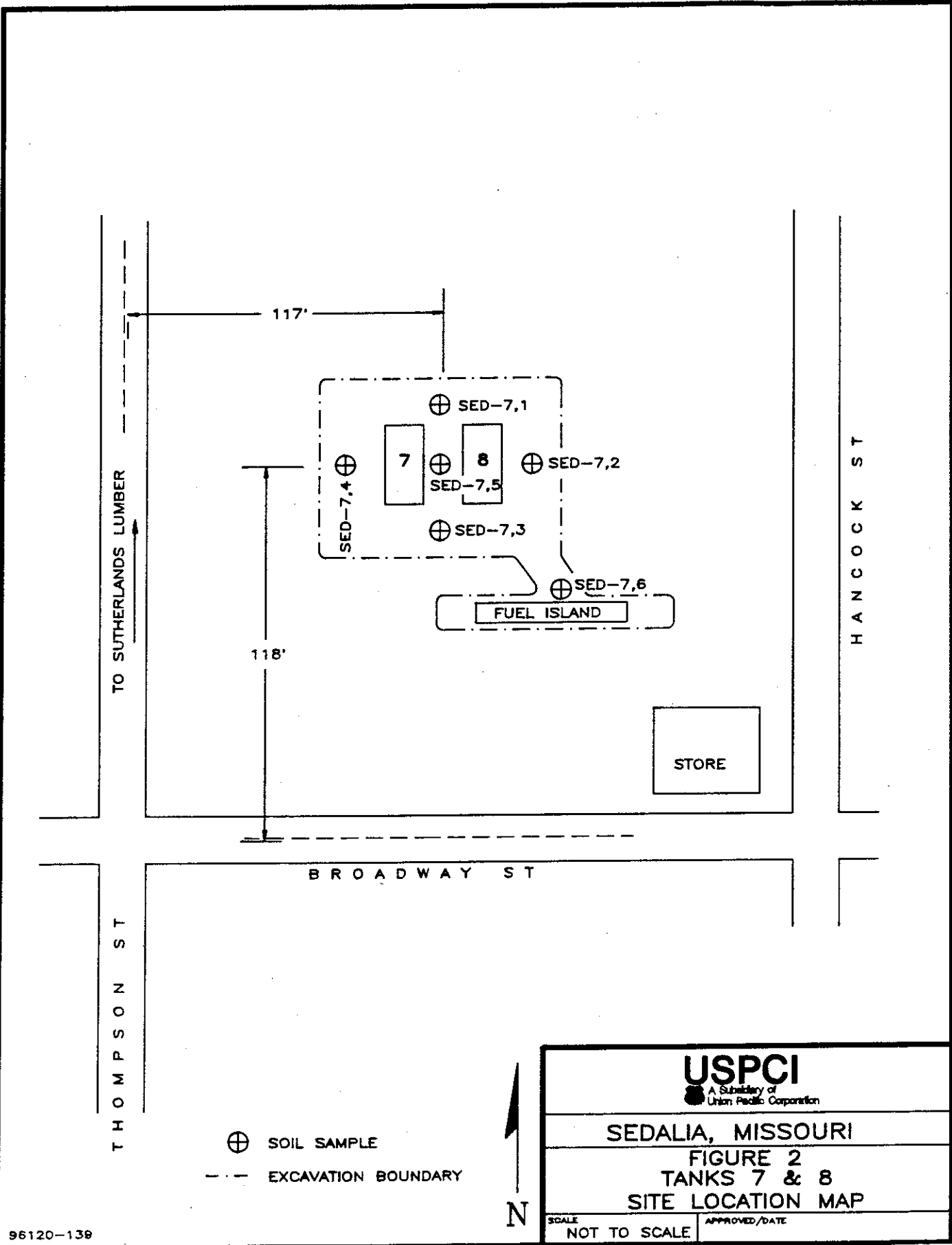
PID screening of the excavation revealed minor contamination from 1 to 12 feet below grade with the highest tank excavation reading being 384 ppm. No significant downward migration path was detected at this site.

3.0 REMEDIATION

As discussed with the Missouri Department of Natural Resources, Laboratory Services Program personnel, the Old Hudson Filling Station site was remediated by excavation of contaminated soil. The remediation was completed on November 15, 1990.

Field analyses was performed with a calibrated OVM Photoionization Detector (PID) for organic vapor emissions and results recorded in ppm. The reading of the organic vapor analyzer (OVA) served as the baseline to determine the vertical and lateral extent of contaminated soil requiring removal. The excavation extended downward and laterally until the concentration of contaminants in the soil, as measured by the OVA dropped to less than 10 ppm. The maximum PID reading during the remediation was recorded at 735 ppm while excavating the product line. The PID was used in three ways: 1) excavation zone monitoring as a general indication of contamination, 2) work area monitoring to assure proper respirator protection for workers, and 3) head space analysis to determine when excavation was complete. Head space analysis consists of placing a sample of soil in a plastic bag and placing the bag in a warm place for a minimum of 15 minutes. A PID reading is then taken of the air trapped within the plastic bag along with the soil.

A total of 6 soil and 2 water verification samples were taken for both SED-7 and SED-8 during the remediation to verify the cleanup was complete. The sample locations are listed in Table 2 and illustrated in Figure 2. These verification samples were sent to International Technology Analytical Services, 5307 Industrial Oaks Boulevard, Austin, Texas to be analyzed for TPH and BTEX. Table 3 summarizes the analytical results for SED-7 and SED-8 November soil samples and Table 4 summarizes the water sample results.



TO SUTHERLANDS LUMBER

HANCOCK ST

THOMPSON ST

BROADWAY ST

⊕ SOIL SAMPLE
 --- EXCAVATION BOUNDARY



USPCI <small>A Subsidiary of Union Pacific Corporation</small>	
SEDALIA, MISSOURI	
FIGURE 2 TANKS 7 & 8 SITE LOCATION MAP	
SCALE NOT TO SCALE	APPROVED/DATE

**TABLE 2
SAMPLE LOCATIONS
Old Hudson Station**

Sample No.	Area	Depth (ft.)
Sed-7-1	North	16.0
Sed-7-2	East	16.0
Sed-7-3	South	10.6
Sed-7-4	West	12.0
Sed-7-5	Center	15.0
Sed-7-6	Product Line	8.0
Sed-7-7	Center	16.0
Sed-7-8	Center	16.0

**TABLE 3
11/16/90 SOIL ANALYTICAL RESULTS
Old Hudson Station**

SOIL SAMPLE NO.	TPH	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
	ppm	ppb	ppb	ppb	ppb
SED-7-1-North	BDL (12)	1 (1)	6.3 (1)	3.9 (1)	11 (1)
SED-7-2-East	BDL (13)	1.5 (1)	1.3 (1)	1.2 (1)	3.9 (1)
SED-7-3-South	BDL (13)	170 (10)	34 (10)	53 (10)	160 (10)
SED-7-4-West	BDL (12)	1.2 (1)	1.2 (1)	1.2 (1)	3 (1)
SED-7-5-Center	BDL (13)	2.1 (1)	1.3 (1)	1.2 (1)	3.6 (1)
SED-7-6-Prod.Line	BDL (13)	5.1 (1)	16 (1)	13 (1)	97 (1)

NOTE: BDL = Below Detection Limit
() = Detection Limit

TABLE 4
11/16/90 WATER ANALYTICAL RESULTS
Old Hudson Station

WATER SAMPLE NO.	TPH	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
	ppm	ppb	ppb	ppb	ppb
SED-7-7W-Center	BDL (10)	29 (10)	110 (10)	30 (10)	160 (10)
SED-7-8W-Center	BDL (10)	220 (10)	26 (10)	78 (10)	220 (10)

NOTE: BDL = Below Detection Limit
 () = Detection Limit

The soil and water samples were analyzed for Total Petroleum Hydrocarbons (TPH), using EPA Method 418.1 and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) using EPA Method 8020. Analysis of the verification samples indicated no significant levels of contaminants remaining in the soil. Copies of the complete laboratory analyses results are shown in Appendix B.

The BTEX analysis for water samples SED-7-7W-Center and SED-7-8W-Center are not indicative of the site groundwater quality because they contain a considerable amount of suspended sediment. USPCI believes they were sampled from water that had collected in the excavation. This sediment had a direct effect on the analytical results.

4.0 DISPOSAL

When USPCI completed the excavation, a total volume of 1,153.90 cubic yards of contaminated, non-hazardous soil was transported in trucks owned by Howard Quarries, Inc., to the Central Missouri Landfill, Inc., Sedalia, Missouri. Copies of the Straight Bill of Lading, waste identification form and waste certification letter are shown in Appendix C. The soil was disposed as contaminated with virgin product as defined by 10 CSR 25-11.010.

5.0 CONCLUSION

The two USTs, SED-7 and SED-8, at the Old Hudson site, 651 East Broadway, Sedalia, Missouri were discovered to be leakers during UST removal. Immediate overexcavation of contaminated soil was performed with soil disposed at the Central Missouri Landfill. Sampling and analysis verified that the cleanup was complete. This report serves as the final closure report for the Old Hudson site.

APPENDIX A

MISSOURI NOTIFICATION FOR UNDERGROUND STORAGE TANKS

Notification for Underground Storage Tanks

FORM 7530-1 (11-86)
 U.S. ENVIRONMENTAL PROTECTION AGENCY

FOR TANKS IN MO

RETURN COMPLETED FORM TO

Department of Natural Resources
 Attn: UST Coordinator
 P. O. Box 176
 Jefferson City, MO 65102

STATE USE ONLY

I.D. Number _____
 Date Received _____

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—
 (a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances; and
 (b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel; and 2. industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:
 1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
 2. tanks used for storing heating oil for consumptive use on the premises where stored;
 3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979 or which is an intrastate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mine-working, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$30,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Union Pacific Railroad

Street Address
1416 Dodge St.

County
Douglas

City
Osaka State NE ZIP Code 68179

Area Code
(402) Phone Number 271-2262

Type of Owner (Mark all that apply)

Current State or Local Govt Private or Corporate
 Former Federal Govt (GSA facility I.D. no.) Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section I, mark box here)

Facility Name or Company Site Identifier, as applicable
Sedalia (OLD HUDSON SITE)

Street Address or State Road, as applicable
Broadway and Thompson

County
Pottawatomie

City (nearest)
Sedalia State MO ZIP Code 65301

Indicate number of tanks at this location

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

III. CONTACT PERSON AT TANK LOCATION

Name (if same as Section I, mark box here)
Jim Gorley Job Title Manager Engineering Maintenance Area Code (501) Phone Number 373-2287

IV. TYPE OF NOTIFICATION

Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative
Roger Fitch Manager Fire Protection Signature Roger Fitch Date Signed 10/9/80

CONTINUE ON REVERSE SIDE

VI DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location)

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.	
1. Status of Tank (Mark all that apply <input type="checkbox"/>) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2. Estimated Age (Years)	<u>unknown</u>	<u>unknown</u>				
3. Estimated Total Capacity (Gallons)	<u>unknown</u>	<u>unknown</u>				
4. Material of Construction (Mark one <input type="checkbox"/>) Steel Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
5. Internal Protection (Mark all that apply <input type="checkbox"/>) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
6. External Protection (Mark all that apply <input type="checkbox"/>) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
7. Piping (Mark all that apply <input type="checkbox"/>) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply <input type="checkbox"/>) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify _____ c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box <input type="checkbox"/> if tank stores a mixture of substances d. Unknown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
9. Additional Information (for tanks permanently taken out of service) a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box <input type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete)	<u>/</u> <input type="checkbox"/>	<u>/</u> <input type="checkbox"/>	<u>/</u> <input type="checkbox"/>	<u>/</u> <input type="checkbox"/>	<u>/</u> <input type="checkbox"/>	

APPENDIX B

ANALYTICAL RESULTS



INTERNATIONAL
TECHNOLOGY
CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

US POLLUTION CONTROL INC.
US POLLUTION CONTROL INC
5665 FLATIRON PARKWAY
BOULDER CO 80301
CURTIS HULL

Date: 11/16/90

Work Order: B0-11-165

This is the Certificate of Analysis for the following samples:

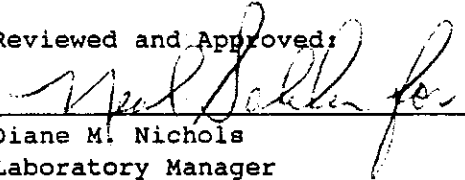
Client Work ID: UP-UST-REMEDICATION 93482-600
Date Received: 11/15/90
Number of Samples: 6
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

<u>SAMPLE IDENTIFICATION</u>	<u>LABORATORY #</u>
SED-7-1-NORTH 16'-0''	B0-11-165-01
SED-7-2-EAST 16'-0''	B0-11-165-02
SED-7-3-SOUTH 10'-6''	B0-11-165-03
SED-7-4-WEST 12'-0''	B0-11-165-04
SED-7-5-CENTER 15'-0''	B0-11-165-05
SED-7-6-PRODUCTLINE 8'-0''	B0-11-165-06

Reviewed and Approved:


Diane M. Nichols
Laboratory Manager

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories
American Association for Laboratory Accreditation

Company: US POLLUTION CONTROL INC.

Date: 11/16/90

Client Work ID: UP-UST-REMEDATION 93482-600

Work Order: B0-11-165

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

Company: US POLLUTION CONTROL INC.

Date: 11/16/90

Client Work ID: UP-UST-REMEDICATION 93482-600

Work Order: B0-11-165

SAMPLE ID SAMPLED TEST	SED-7-4-WEST 12'-0''	SED-7-5-CENTER 15'-0''	SED-7-6-PRODUCT LINE 8'-0''	UNITS
418.1 PET. HYDROCARBONS	[ND 12]	[ND 13]	[ND 13]	mg/kg

ND indicates the parameter was not detected.
 Detection limits are specified in [].

Company: US POLLUTION CONTROL INC.

Date: 11/16/90

Client Work ID: UP-UST-REMEDICATION 93482-600

Work Order: B0-11-165

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: SED-7-2-EAST 16'-0''

SAMPLE DATE: not spec

ANALYSIS DATE: 11/15/90

	Results in	ug/kg:	Detection Limit
Benzene		1.5	1
Ethylbenzene		1.3	1
Toluene		1.2	1
Xylenes (total)		3.9	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: US POLLUTION CONTROL INC.
Date: 11/16/90
Client Work ID: UP-UST-REMEDATION 93482-600

Work Order: B0-11-165

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: SED-7-3-SOUTH 10'-6''
SAMPLE DATE: not spec
ANALYSIS DATE: 11/15/90

	Results in	ug/kg:	Detection Limit
Benzene		170	10
Ethylbenzene		34	10
Toluene		53	10
Xylenes (total)		160	10

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: US POLLUTION CONTROL INC.
Date: 11/16/90
Client Work ID: UP-UST-REMEDATION 93482-600

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-11-165

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: SED-7-4-WEST 12'-0''

SAMPLE DATE: not spec

ANALYSIS DATE: 11/15/90

	Results in	ug/kg:	Detection Limit
Benzene		1.2	1
Ethylbenzene		1.2	1
Toluene		1.2	1
Xylenes (total)		3.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: US POLLUTION CONTROL INC.

Date: 11/16/90

Client Work ID: UP-UST-REMEDICATION 93482-600

Work Order: B0-11-165

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: SED-7-6-PRODUCTLINE 8'-0''

SAMPLE DATE: not spec

ANALYSIS DATE: 11/15/90

	Results in	ug/kg:	Detection Limit
Benzene		5.1	1
Ethylbenzene		16	1
Toluene		13	1
Xylenes (total)		97	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: US POLLUTION CONTROL INC.
Date: 11/16/90
Client Work ID: UP-UST-REMEDICATION 93482-600

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: BO-11-165

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME BTEX - Purge and Trap

TEST CODE BTEX

BTEX

EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME 418.1 PET. HYDROCARBONS TEST CODE TPH_IR

TPH-Total
Recoverable
Petroleum
Hydrocarbons

Extraction of samples using EPA Method 418.1 for water samples, EPA Method 9071 for soil samples, and EPA method 3580 for dilution of organic waste samples. Infrared (IR) spectroscopy analysis of all extracts as per EPA Method 418.1. Soil samples are reported on a dry weight basis.

APPENDIX C

**STRAIGHT BILL OF LADING
WASTE IDENTIFICATION FORM
WASTE CERTIFICATION LETTER**

STATEMENT

93482-86

Central Missouri Landfill, Inc.

Hwy. 50, West — P.O. Box 405
Sedalia, Missouri 65302

Date November 21, 1990

U S P C I
8250 S. Akron
Suite 203
Englewood, CO. 80112

TERMS: Upon Receipt
of Statement

A Service Charge of 1 1/2% per
month (18%) will be charged
on accounts over 30 days old.

P.O. # 13095
Hudson Oil, Sedalia, MO

Please Detach Top Portion of Statement and Return With Remittance

JOB# 93482(600)

Date	Invoice Number/Description	Charges	Credits	Balance
	Balance Forward →			
11-13-90	463.60 Cu. Yds. Contaminated Soil @ 12.00 cy.	5,563.20		
11-14-90	641.40 Cu. Yds. Contaminated Soil @ 12.00 cy.	7,696.80		
11-15-90	48.90 Cu. Yds. Contaminated Soil @ 12.00 cy.	586.80		
	<i>R.B.#=20861</i>			
	<i>P.O.# 13095</i>			
		\$ 13,846.80		\$ 13,846.80

Please Pay Last
Amount in This
Column →

Thank You!

CENTRAL MISSOURI LANDFILL, INC.

1,153,90.00

009

86556

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0434

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	108.00
				7X14X3		108.00
				Virgin Contaminated Soil Special Handling		
TOTAL						108.00

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86557

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0441

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	108.00
				7X14X3		108.00
				Virgin Contaminated Soil Special Handling		
TOTAL						108.00

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86563

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0434

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	152.40
				7X14X3 1/2		152.40
				Virgin Contaminated Soil Special Handling		
TOTAL						152.40

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86560

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0434

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	152.40
				7X14X3 1/2		152.40
				Virgin Contaminated Soil Special Handling		
TOTAL						152.40

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86568

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0434

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	108.00
				7X14X3		108.00
				Virgin Contaminated Soil Special Handling		
TOTAL						108.00

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86571

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0441

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	152.40
				7X14X3 1/2		152.40
				Virgin Contaminated Soil Special Handling		
TOTAL						152.40

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86577

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0434

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	152.40
				7X14X3 1/2		152.40
				Virgin Contaminated Soil Special Handling		
TOTAL						152.40

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86578

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPCI DATE 11-13 1990
ADDRESS 0434

SOB BY QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input type="checkbox"/> (5)	12.00	152.40
				7X14X3		152.40
				Virgin Contaminated Soil Special Handling		
TOTAL						152.40

Received By: [Signature]
MIDLAND PRINTING CO. - SEDALIA, MO 65301 888742

86582

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		152.00
				7x14x3 1/2	12.00	152.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		152.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86592

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		128.00
				7x14x3 1/2	12.00	152.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		152.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86594

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		120.00
				7x14x3 1/2	12.00	152.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		152.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86605

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		120.00
				7x14x3 1/2	12.00	152.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		152.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86596

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		128.00
				7x14x3 1/2	12.00	152.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		152.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86598

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		120.00
				7x14x3	12.00	132.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		132.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86605

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		120.00
				7x14x3 1/2	12.00	152.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		152.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86607

CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC DATE 11-13 1990

ADDRESS _____

SOB BY	Cash	Chgs	P.O. or Project #	Description	Rate	Amount
STW				Landfill		
				Compacted <input type="checkbox"/>		
				Uncompacted <input checked="" type="checkbox"/>		120.00
				7x14x3 1/2	12.00	152.00
				Virgin contaminated soil		
				Special Handling		
				TOTAL		152.00

Received By: [Signature]
MULTICO PRINTING CO. - SEDALIA, MO 65302

86610
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			5	7x14x3 1/2	12.00	152.40
				original contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86610

86625
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
10.8			5	7x14x3	12.00	129.60
				original contaminated soil		
				Special Handling		
TOTAL						129.60

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86625

86621
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			5	7x14x3 1/2	12.00	152.40
				original contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86621

86618
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			5	7x14x3 1/2	12.00	152.40
				original contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86618

86627
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
10.8			5	7x14x3	12.00	129.60
				original contaminated soil		
				Special Handling		
TOTAL						129.60

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86627

86625
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			5	7x14x3 1/2	12.00	152.40
				original contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86625

86621
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			5	7x14x3 1/2	12.00	152.40
				original contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86621

86618
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 1990
ADDRESS: _____

Qty.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			5	7x14x3 1/2	12.00	152.40
				original contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: [Signature]
HIGHLAND PRINTING CO. - SEDALIA, MO 65301 - 86618

86635
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
M. J. Ford
 TR.# 453 TOTAL 152.00

Received By: _____
 MIDLAND PRINTING CO. - SEDALIA, MO 65301 - 86635

86647
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
R. A. 440
 TR.# 440 TOTAL 152.00

86634
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
R. A. 440
 TR.# 440 TOTAL 152.00

Received By: _____
 MIDLAND PRINTING CO. - SEDALIA, MO 65301 - 86634

86645
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
R. A. 441
 TR.# 441 TOTAL 152.00

86632
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
R. A. 441
 TR.# 441 TOTAL 152.00

Received By: _____
 MIDLAND PRINTING CO. - SEDALIA, MO 65301 - 86632

86643
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
R. A. 434
 TR.# 434 TOTAL 152.00

86629
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
R. A. 434
 TR.# 434 TOTAL 152.00

Received By: _____
 MIDLAND PRINTING CO. - SEDALIA, MO 65301 - 86629

86639
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME: UAPC DATE: 11-13 19 90
 ADDRESS: _____
 SOLD BY: SM CASH: 2 P.O. OF PROJECT: Hickman Rd
 CITY: _____ DESCRIPTION: _____ RATE: _____ AMOUNT: _____
 Landfill: _____
 Compacted
 Uncompacted 5
7X14X3 1/2
engine contaminated soil
 Special Handling
R. A. 209
 TR.# 209 TOTAL 152.00

Received By: _____
 MIDLAND PRINTING CO. - SEDALIA, MO 65301 - 86639

86658
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
10.8	12.00	7x14x3 Virgin contaminated soil	12.00	129.60
				TOTAL 129.60

Received By: JK MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86659
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
12.7	12.00	7x14x3 1/2 Virgin contaminated soil	12.00	152.40
				TOTAL 152.40

Received By: _____ MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86660
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
12.7	12.00	7x14x3 1/2 Virgin contaminated soil	12.00	152.40
				TOTAL 152.40

Received By: _____ MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86661
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
12.7	12.00	7x14x3 1/2 Virgin contaminated soil	12.00	152.40
				TOTAL 152.40

Received By: _____ MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86662
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
12.7	12.00	7x14x3 1/2 Virgin contaminated soil	12.00	152.40
				TOTAL 152.40

Received By: _____ MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86664
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
10.8	12.00	7x14x3 Virgin contaminated soil	12.00	129.60
				TOTAL 129.60

Received By: _____ MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86666
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
12.7	12.00	7x14x3 1/2 Virgin contaminated soil	12.00	152.40
				TOTAL 152.40

Received By: _____ MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86667
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME UAPC DATE 11-14 1990
 ADDRESS _____

Qty.	Rate	Description	Rate	Amount
12.7	12.00	7x14x3 1/2 Virgin contaminated soil	12.00	152.40
				TOTAL 152.40

Received By: _____ MIDLAND PRINTING CO. SEDALIA, MO 65301 838242

86668
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC S DATE 11-14 19 90
ADDRESS _____
SOID BY UAPC S CASH UAPC S P.O. OF PROJECT # Hudson Rd
QTY. Description Rate Amount
Landfill
Compacted
Uncompacted ⑤
7x14 x 3 1/2 12.00 152.40
virgin contaminated soil
Special Handling
TOTAL 152.40
TR.# 459 Dean

RECEIVED BY: MIDLAND PRINTING CO. SEDALIA, MO 65302 86668

86670
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC S DATE 11-14 19 90
ADDRESS _____
SOID BY UAPC S CASH UAPC S P.O. OF PROJECT # Hudson Rd
QTY. Description Rate Amount
Landfill
Compacted
Uncompacted ⑤
7x14 x 3 1/2 12.00 129.60
virgin contaminated soil
Special Handling
TOTAL 129.60
TR.# 209

RECEIVED BY: MIDLAND PRINTING CO. SEDALIA, MO 65302 86670

86672
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC S DATE 11-14 19 90
ADDRESS _____
SOID BY UAPC S CASH UAPC S P.O. OF PROJECT # Hudson Rd
QTY. Description Rate Amount
Landfill
Compacted
Uncompacted ⑤
7x14 x 3 1/2 12.00 152.40
virgin contaminated soil
Special Handling
TOTAL 152.40
TR.# 434

RECEIVED BY: MIDLAND PRINTING CO. SEDALIA, MO 65302 86672

86677
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC S DATE 11-14 19 90
ADDRESS _____
SOID BY UAPC S CASH UAPC S P.O. OF PROJECT # Hudson Rd
QTY. Description Rate Amount
Landfill
Compacted
Uncompacted ⑤
7x14 x 3 1/2 12.00 152.40
virgin contaminated soil
Special Handling
TOTAL 152.40
TR.# 415 Dean

RECEIVED BY: MIDLAND PRINTING CO. SEDALIA, MO 65302 86677

86678
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC S DATE 11-14 19 90
ADDRESS _____
SOID BY UAPC S CASH UAPC S P.O. OF PROJECT # Hudson Rd
QTY. Description Rate Amount
Landfill
Compacted
Uncompacted ⑤
7x14 x 3 1/2 12.00 152.40
virgin contaminated soil
Special Handling
TOTAL 152.40
TR.# 453

86682
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC S DATE 11-14 19 90
ADDRESS _____
SOID BY UAPC S CASH UAPC S P.O. OF PROJECT # Hudson Rd
QTY. Description Rate Amount
Landfill
Compacted
Uncompacted ⑤
7x14 x 3 1/2 12.00 129.60
virgin contaminated soil
Special Handling
TOTAL 129.60
TR.# 209

86687
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME UAPC S DATE 11-14 19 90
ADDRESS _____
SOID BY UAPC S CASH UAPC S P.O. OF PROJECT # Hudson Rd
QTY. Description Rate Amount
Landfill
Compacted
Uncompacted ⑤
7x14 x 3 1/2 12.00 152.40
virgin contaminated soil
Special Handling
TOTAL 152.40
TR.# 434

RECEIVED BY: MIDLAND PRINTING CO. SEDALIA, MO 65302 86687

86712
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 12.7 ⑤ 12.00 152.40
 7x14x3 1/2
 virgin contaminated soil
 Special Handling
 M. Ford
 TR.# 453 TOTAL 152.40

86727
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 12.7 ⑤ 12.00 152.40
 7x14x3 1/2
 virgin contaminated soil
 Special Handling
 M. Ford
 TR.# 153 TOTAL 152.40

86711
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 12.7 ⑤ 12.00 152.40
 7x14x3 1/2
 virgin contaminated soil
 Special Handling
 D. Ann
 TR.# 415 TOTAL 152.40

86719
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 12.7 ⑤ 12.00 152.40
 7x14x3 1/2
 virgin contaminated soil
 Special Handling
 P. S.
 TR.# 434 TOTAL 152.40

86707
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 12.7 ⑤ 12.00 152.40
 7x14x3 1/2
 virgin contaminated soil
 Special Handling
 TR.# 434 TOTAL 152.40

86717
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 12.8 ⑤ 12.00 129.60
 7x14x3
 virgin contaminated soil
 Special Handling
 TR.# 209 TOTAL 129.60

86703
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 10.8 ⑤ 12.00 129.60
 7x14x3
 virgin contaminated soil
 Special Handling
 TR.# 209 TOTAL 129.60

86715
 CENTRAL MISSOURI LANDFILL, INC.
 Hwy. 50 West, P. O. Box 405
 Sedalia, MO 65302-0405

NAME U.S.P.C.I. DATE 11-14 19 90
 ADDRESS _____
 SOLE BY SPM P.O. of Project # Hudson Rd
 CASH CHIPS Description Rate Amount
 Qty. Landfill
 12.7 ⑤ 12.00 152.40
 7x14x3 1/2
 virgin contaminated soil
 Special Handling
 TR.# 459 TOTAL 152.40

86731
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: U.S.P.C. S

86733
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: Don DeLong

86741
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: U.S.P.C. S

86743
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: U.S.P.C. S

86745
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: U.S.P.C. S

86734
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: U.S.P.C. S

86747
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: U.S.P.C. S

86739
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.8			⑤	7x14x3	12.00	129.60
				Virgin contaminated soil		
				Special Handling		
TOTAL						129.60

Received By: U.S.P.C. S

86749
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME: U.S.P.C. S DATE: 11-14 1990
ADDRESS: _____

QTY.	Cash	Charge	P.O. or Project #	Description	Rate	Amount
12.7			⑤	7x14x3 1/2	12.00	152.40
				Virgin contaminated soil		
				Special Handling		
TOTAL						152.40

Received By: U.S.P.C. S

7x14x3 1/2	Special Handling	
Virgin contaminated soil		
TOTAL	152.40	

86751
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
1.8	5	Uncompacted	12.00	21.60
		7x14x3		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		129.60

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

86755
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
12.7	5	Uncompacted	12.00	152.40
		7x14x3 1/2		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		152.40

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

86759
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
19.7	5	Uncompacted	12.00	236.40
		7x14x3 1/2		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		236.40

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

86760
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
19.7	5	Uncompacted	12.00	236.40
		7x14x3 1/2		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		236.40

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

86761
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
13.7	5	Uncompacted	12.00	164.40
		7x14x3 1/2		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		164.40

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

86766
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
10.8	5	Uncompacted	12.00	129.60
		7x14x3		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		129.60

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

86768
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
12.7	5	Uncompacted	12.00	152.40
		7x14x3 1/2		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		152.40

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

86769
CENTRAL MISSOURI LANDFILL, INC.
Hwy. 50 West, P. O. Box 405
Sedalia, MO 65302-0405

NAME USA PC & DATE 11-14 19 90
ADDRESS _____

Qty.	Unit	Description	Rate	Amount
12.7	5	Uncompacted	12.00	152.40
		7x14x3 1/2		
		Virgin contaminated soil		
		Special Handling		
		TOTAL		152.40

Received By: [Signature] MIDLAND PRINTING CO. - SEDALIA, MO 65302 - 888742

Disposal Of Soil Contaminated With Virgin Gasoline Or Virgin Fuel Oil

SECTION I - GENERAL INFORMATION (To be completed by the generator and Landfill operator)

	Sanitary Landfill	Waste Generator
Name	<u>Central Missouri Landfill</u>	<u>Union Pacific Railroad</u>
Address	<u>P. O. Box 405</u>	<u>1416 Dodge St Rm 930</u>
City, State and Zip	<u>Sedalia, MO 65301</u>	<u>Omaha, NE 68179</u>
Telephone No.	<u>(816) 826-7771</u>	<u>(402) 271-3031</u>
Permit No.	<u>115905</u>	<u>N/A</u>
Contact Person	<u>Darlene Keele or Eddis Wise</u>	<u>Roger Fitch</u>

SECTION II - WASTE IDENTIFICATION (To be completed by the generator)

1. Description of generation process: leaking UST.
2. Circle source of contamination: virgin gasoline virgin fuel oil (specify grade) REG
3. Location of spill/tank: 651 + 635 E. Broadway
Sedalia, MO 65301
4. Quantity of waste (cubic yards): 700+ Yds³

SECTION III - CERTIFICATION (To be completed by generator and sanitary landfill operator)

_____ Date of disposal: _____
 Signature of landfill operator or authorized representative

Print name/title _____

I, the undersigned, certify that the waste named herein, to the best of my knowledge, is soil contaminated solely with virgin gasoline or virgin fuel oil as specified above, that the soil contains no free liquid (passed the paint filter test) and that the information supplied by me is correct.

Curtis G. Hull Program Manager
 Signature of waste generator or authorized representative

Print name/title Curtis G. Hull Program Manager Date 11/13/90
USPCI

Additional Comments: _____



Remedial Services

November 13, 1990

Ed Wise
Hwy 50 West
P.O. Box 1584
Sedalia, MO 65301

RE: Union Pacific Railroad's Old Hudson Station Site
651 & 635 East Broadway
Sedalia, MO 65301

Dear Sirs:

USPCI, as the authorized representative for the Union Pacific Railroad, provides this written certification concerning the waste from the above referenced site. The waste consists of soil contaminated with virgin gasoline and contains no free liquid. This waste was generated by spills or leaks from underground storage tanks at the referenced site. The Missouri Department of Natural Resources, Laboratory Services Program has been notified of the release and has given USPCI's plan for remediation verbal approval.

If you have any questions or need any additional information, please call me at 303-938-5569.

Sincerely,

Curt Hull
Program Manager
Environmental Assessments

cc: J.A. Yellich
Steve Beck
Glenn Thomas
Roger Fitch