PERMIT NO. HW-50343-000
ANNUAL REPORT

JANUARY 1 THROUGH
DECEMBER 31, 1995

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FILE COPY

Southern Pacific Lines

Environmental Affairs Group
600 Anton Blvd., Suite 1250 • Costa Mesa, California 92626

A. R. Molnar
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January 23, 1996

The Manager
Corrective Action (MC 127)
Industrial and Hazardous Waste Division
Texas Natural Resource Conservation Commission
P.O. Box 13087
Austin, Texas 78711-3087

Re: Southern Pacific Transportation Company (SPTCo)
4910 Liberty Road Facility, Houston
Post-Closure Care Permit No. HW-50343-000
Industrial Solid Waste Registration No. 31547
EPA ID No. TXD000820266
Permit Submittal
Annual Report: January 1 through December 31, 1995

Dear Sir:

The enclosed annual report presents a summary of activities conducted for the referenced facility performed as part of the post-closure care and submitted in accordance with Provisions III.B.1, IV.C.4.g, and V.F of the Permit. The designated reporting period covers the 1995 calendar year.

Please call me at (714) 546-0484 if you have any questions regarding this submittal.

Sincerely,

for Aniko R. Molnar
Senior Environmental Project Manager

Enclosure
Distribution: per Attachment

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HOUSTON WOOD PRESERVING WORKS
PERMIT NO. HW-50343-000

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ANNUAL REPORT
JANUARY 1 THROUGH DECEMBER 31, 1995

Southern Pacific Transportation Company
Wood Preserving Works
4910 Liberty Road
Houston, Texas

Terranext Project No. 44102069/05

Prepared For:

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January 22, 1996

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ANNUAL REPORT
JANUARY 1 THROUGH DECEMBER 31, 1995

Southern Pacific Transportation Company
Wood Preserving Works
4910 Liberty Road
Houston, Texas

Prepared By:

Elaine J. Hanford
Technical Manager

Reviewed and Approved By:

for Curtis L. Jones
Project Manager
Manager, Midwest Operations

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1.0 INTRODUCTION

1.1 Purpose

On June 20, 1994, the Texas Natural Resource Conservation Commission (TNRCC) issued Permit Number HW-50343-000 (hereinafter, Permit) and TNRCC Compliance Plan Number CP-50343, which is incorporated within the Permit. The Permit applies to post-closure care for one former surface impoundment (TNRCC Permit Unit No. II.B.1) located at the Southern Pacific Transportation Company (SPTCo) former Houston Wood Preserving Works (HWPW), 4910 Liberty Road, Houston, Texas (Figure 1). The Permit requires a RCRA Facility Investigation (RFI), and the Compliance Plan requires an Extent of Contamination (EOC) Investigation; the EOC Work Plan dated September 16, 1994, and the RFI Work Plan dated October 14, 1994, were approved respectively by letters from the TNRCC dated September 29 and October 16, 1995. Field investigation activities outlined in the EOC and RFI Work Plans were initiated in October 1995. This Annual Report (AR) for 1995 was prepared by Terranext (formerly Industrial Compliance) on behalf of SPTCo to comply with the requirements of Provisions III.B.1, IV.C.4.g, and V.F of the Permit.

1.2 Applicability and Scope

Provision III.B.1 of the Permit requires that this AR include the following:

a. Information and records required by Title 30 Texas Administrative Code (TAC) Section 335.154, including:
   1. U.S. Environmental Protection Agency (EPA) identification number, name, and address of the facility
   2. Calendar year covered by the report

3. TWC (Texas Water Commission, predecessor agency to the TNRCC) hazardous waste code and quantity of each hazardous waste received by the facility during the year
4. Method of storage, processing, or disposal of each hazardous waste
5. Most recent closure cost estimate under the regulations contained in 40 Code of Federal Regulations (CFR) Section 264.142 and 30 TAC Section 1335.178, and for disposal facilities, the most recent post-closure cost estimate under 40 CFR Section 264.144 (see Item d below)
6. For generators who treat, store, or dispose of hazardous waste on-site, a description of efforts undertaken to reduce the volume and toxicity of waste generated
7. For generators who treat, store, or dispose of hazardous waste on-site, a description of changes in volume and toxicity of waste actually achieved in comparison with previous years
8. Certification signed by owner or operator of the facility or authorized representative (see Item e below)

b. Summary of ground water compliance monitoring activities

c. Summary of inspections made and any remedial activities conducted

d. Summary of annual cost estimate adjustments for facility closure and post-closure care

e. Certification of waste minimization in accordance with Permit Provision V.N, as follows:

1. Permittee has a program in place to reduce the volume and toxicity of all hazardous wastes generated by the facility operation to the degree determined to be economically practicable
2. The proposed method of treatment, storage, or disposal is that practicable method currently available to the permittee which minimizes the present and future threat to human health and the environment

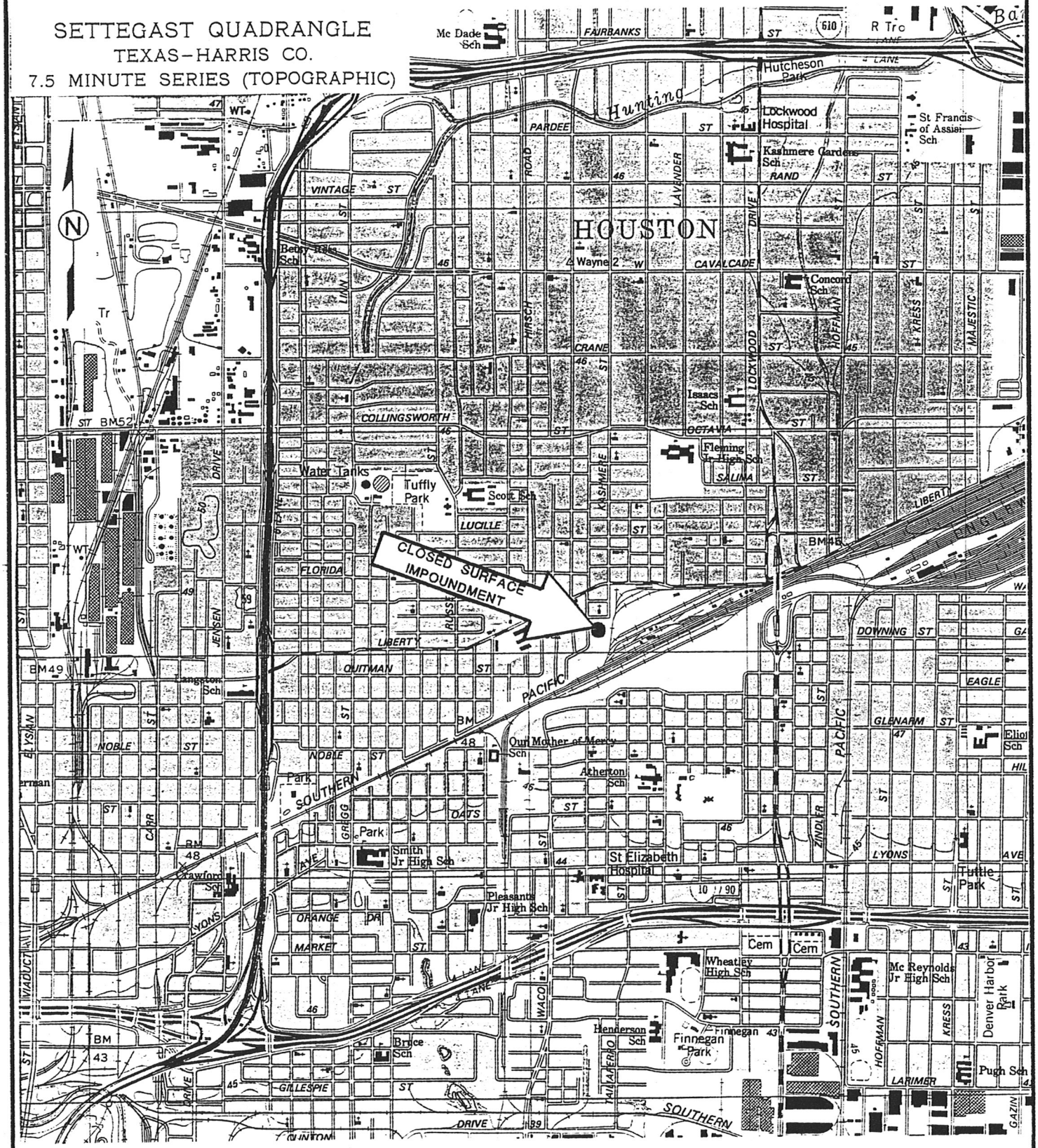
As provided in Provision II.B, the Permit authorizes and requires the permittee to perform post-closure care for a landfill, closed, consisting of one former surface impoundment, Notice of Registration (NOR) Facility No. 01, total surface area of 0.5923 acre, total capacity of 5,065 cubic yards. Since this facility is closed, hazardous and toxic waste is not received or disposed of at the facility. Wastes are being generated as Investigation Derived Wastes (IDW) associated with the ongoing, periodic monitoring of Point of Compliance (POC) and Corrective Action Observation wells, interim remedial activities, and implementation of Work Plans approved under the Permit and Compliance Plan. A recovery system has not been installed for this facility. Therefore, Items a through e, as listed above, are addressed herein as they relate to a facility under post-closure care.

The AR items as listed above are addressed in text summary in Section 2.0, with supporting figures and tables presented at the end of each major section. Reference information is presented in the appendices.

The definitions of the Uppermost Transmissive Zone (UTZ) and Secondary Transmissive Zone (STZ) as used in this AR are consistent with CP Provision I.A:

* UTZ refers to the first sand unit encountered at 35 feet above mean sea level (MSL), averaging 6 to 8 feet in thickness.

* STZ refers to the second sand unit encountered at approximately 15 feet MSL, averaging 8 to 10 feet in thickness.



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DATE: 1-15-96	APPROVED BY: E.H.

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FIGURE 1
SITE VICINITY MAP
SOUTHERN PACIFIC TRANSPORTATION COMPANY
WOOD PRESERVING WORKS
4910 LIBERTY ROAD
HOUSTON, TEXAS

2.0 REPORT ITEMS

2.1 Information and Records Required by 30 TAC 335.154

2.1.1 Facility Identification

This facility is identified by the following information:

EPA identification number:	TXD000820266
Facility name:	Surface Impoundment
Address:	Former Houston Wood Preserving Works Southern Pacific Transportation Company 4910 Liberty Road Houston, Texas 77020

2.1.2 Calendar Year Covered by This Report

The activity period covered by this report is designated in Provision III.B.1 of the Permit and encompasses January 1 through December 31, 1995.

2.1.3 Hazardous Wastes Codes and Quantities Received

This facility is closed and has not received any hazardous wastes. A revised Notice of Registration (NOR) for solid wastes generated at 4910 Liberty Road was submitted to the TNRCC under cover letter dated August 8, 1995. The revised NOR includes notice of a temporary container storage area (i.e., less than 90 or 180 days, depending on volume of waste generated) around the permitted and clean-closed surface impoundment (Permit Unit II.B.1) for the storage of waste ground water generated by purging and sampling of monitor wells and waste soil generated by soil boring/monitor well installation.

The revised NOR included hazardous aqueous wastes generated from equipment decontamination and purging of monitor wells for site investigation activities. Remediation wastes include soils contaminated with creosote sludge or constituents. Nonhazardous wastes such as scrap metals, personal protective equipment, waste oil, and waste rail ties were also included in the NOR. The scrap metals, waste oil, and rail ties are wastes generated from operations at the rail yard and are not related to activities conducted under the Permit.

2.1.4 Storage, Processing, or Disposal of Hazardous Waste

No wastes have been processed at this facility. Only IDW and wastes from remedial action associated with conduct under the provisions of the Permit and Compliance Plan were generated during the reporting period. Waste ground water has been temporarily stored in accord with 30 TAC 335.69(d); these purge waters were contained in 55-gallon drums, labeled as to the contents of the drum and the source (i.e., monitor well), during the January, April, and July quarterly sampling events. Temporarily stored purge waters were vacuum-pumped from the drums for off-site disposal. The schedule for ground water monitoring converted to semi-annual beginning in July 1995; therefore, no waste purge waters were generated in the calendar months of August through December 1995.

The IDW were properly disposed off-site; a copy of the Annual Waste Summary Form (submitted separately) for reporting year 1995 is presented in Appendix A.

2.1.5 Post-Closure Care Cost Estimate

The facility was closed in 1984. A revised post-closure care cost estimate is addressed in Section 2.4 of this AR.

2.1.6 Reduction of Volume and Toxicity of Waste Generated

Waste minimization typically applies to operating facilities; as stated above, this facility has been closed since 1984. However, wastes are generated at this facility as a result of the specific investigation activities directed by the TNRCC under the Permit and Compliance Plan. These IDW and remediation waste volumes will be directly related to the scope and schedule of activities as they are conducted under the RCRA Facility Investigation (RFI) and Extent of Contamination (EOC) Work Plans, as approved by the TNRCC under the Permit and Compliance Plan.

2.1.7 Waste Minimization Relative to Previous Years

As stated in Section 2.1.6, IDW are directly controlled by the activities required by the Permit and Compliance Plan. These wastes are not directly comparable with respect to years prior to 1984 when this facility was operating.

2.1.8 Certification

Certification is addressed in Section 2.5 of this AR.

2.2 Summary of Ground Water Compliance Monitoring Activities

Existing Corrective Action Observation wells and POC wells (Figure 2) were monitored and sampled quarterly in January, April, and June to evaluate the extent of ground water contamination in the UTZ and STZ. The schedule for ground water monitoring was changed from quarterly to semi-annual beginning with the July 1995 event, as provided by Provision VI.C.3 of the Compliance Plan. Ground water monitoring results, including analytical laboratory reports, were presented in the first-, second-, and third-quarter reports, dated

March 24, June 8, and September 11, respectively. Ten wells (MW-1a, -2, -3, -4, -5, -7, -8, -9, -10a, and -11a) completed in the UTZ and two wells (MW-10b and -11b) and three piezometers (P-10, -11, and -12) completed in the STZ were sampled during each event in 1995.

The ground water analytical data for each quarterly sampling event are listed in Tables 1 through 6; results are tabulated for the UTZ and STZ. For each sampling event, detected concentrations of analytes in excess of the Ground Water Protection Standard are indicated by shading on these tables. The presence of non-aqueous phase liquids (NAPLs), both light and dense phases, was not noted within any of the monitor wells or piezometers during any of the three quarterly monitoring events.

For each monitor well and piezometer, Table 7 lists the total depth, casing reference elevation, the measured depth to water, and the calculated water level elevation relative to mean sea level. For both water-bearing zones, but particularly in the STZ, the limited number of monitor wells and piezometers provides a general indication that the potentiometric (UTZ) and piezometric (STZ) surfaces have very low gradients. The actual directions of flow and gradients of the potentiometric and piezometric surfaces will be confirmed with additional site investigation being conducted under the EOC and RFI Work Plans.

Compliance Plan Provision VI.D provides two options for data evaluation, including direct comparison with the concentration limits for the Ground Water Protection Standard (Appendix B) or statistical analysis of the data. Table 8 lists the results of direct comparison of the analytical data for the three quarterly sampling events with the Ground Water Protection Standard and specifications of Compliance Plan Provision VI.D.1. Wells and piezometers are considered compliant with the Ground Water Protection Standard if all constituents of concern were detected at concentrations less than or equal to the respective

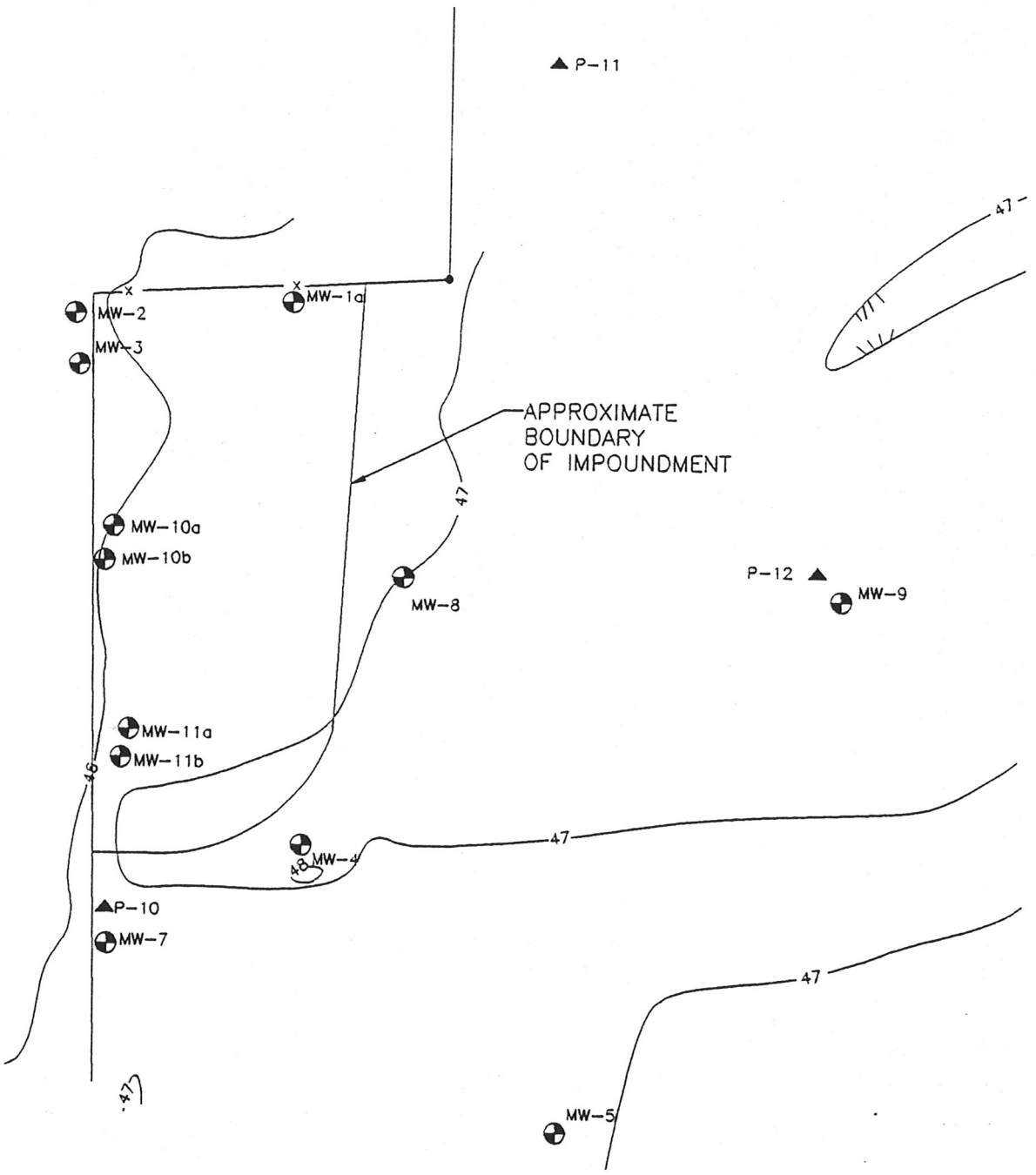
concentration limit. Wells and piezometers are considered noncompliant if one or more constituents of concern were detected at a concentration greater than the respective concentration limit. In general, naphthalene, acenaphthene, and total benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations suggest isolated areas of concentration in both the UTZ and STZ for the three quarterly sampling events.

The statistical methods outlined in the RCRA Facility Investigation Work Plan are currently being applied to the available data. It is anticipated that results of the statistical evaluation will be presented in the first Semi-Annual Report for 1996 for this site.

2.3 Summary of Inspections and Remedial Activities Conducted

By letter of January 10, 1995, the TNRCC acknowledged fulfillment of the requirement of Compliance Plan Provision XI.B by the Operation & Maintenance (O&M) Plan, dated August 19, 1994, together with the addendum to the O&M Plan, dated December 8, 1994. Under this O&M Plan, inspections of the surface impoundment and monitor wells were conducted monthly. O&M Plan Amendment 2, dated May 20, 1995, was submitted to the TNRCC on May 21, 1995; O&M Plan Amendment 3, dated June 23, 1995, was submitted to the TNRCC on August 8, 1995. By letter of October 13, 1995, the TNRCC provided approval of the amendments to the O&M Plan. O&M Amendment 3 establishes a weekly schedule for the surface impoundment and a quarterly inspection schedule for the monitor wells.

Inspections conducted in accord with the O&M Plan have identified the need for minor repairs (e.g., replacement of damaged well caps), upgrades (e.g., installing new protective barriers and well identification tags inside protective casing), and filling of minor animal burrows near the well pads; these items are conducted on an as-needed basis. To upgrade and provide positive drainage around monitor well MW-5, the flush mount well cover was



LEGEND

- ▲ PIEZOMETER
- ◐ MONITOR WELL
- 47 GROUND SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL).

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FIGURE 2
MONITORING WELLS AND PIEZOMETERS
SOUTHERN PACIFIC TRANSPORTATION COMPANY
WOOD PRESERVING WORKS
4910 LIBERTY ROAD
HOUSTON, TEXAS

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR UTZ
(El +35-FOOT SAND ZONE) MONITOR WELLS
First Quarter 1995

	ANALYTICAL RESULTS (µg/L)									
COMPOUND	MW-1a	MW-2	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9	MW-10a	MW-11a
BENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
CHLOROBENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
1,2-DICHLOROETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
DICHLOROMETHANE	ND < 5	ND < 5	9.5	ND < 5	ND < 5	ND < 5	9.4	9.6*	9.5	7.3
ETHYLBENZENE	6.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	5.4	ND < 5
TOLUENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
XYLENES	12	ND < 5	5.1	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	10	5.9
ACENAPHTHENE	170	ND < 10	160	10	ND < 10	ND < 10	25	ND < 10	110	180
ACENAPHTHYLENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
ANTHRACENE	21	ND < 10	25	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	16
BENZO(A)ANTHRACENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-ETHYLHEXYL)PHTHALATE	ND < 10	ND < 10	110	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-CHLOROETHOXY)METHANE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-CHLORONAPHTHALENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
CHRYSENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DIBENZOFURAN	130	ND < 10	140	ND < 10	ND < 10	ND < 10	15	ND < 10	54	120
2,4-DIMETHYLPHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DI-N-BUTYL PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4,6-DINITRO-O-CRESOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2,6-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
1,2-DIPHENYLHYDRAZINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORANTHENE	13	ND < 10	24	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	17
FLUORENE	140	ND < 10	140	ND < 10	ND < 10	ND < 10	22	ND < 10	47	130
2-METHYLNAPHTHALENE	160	ND < 10	29	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	25	65
NAPHTHALENE	250	ND < 10	230	23	ND < 10	ND < 10	50	ND < 10	490	360
NITROBENZENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4-NITROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
N-NITROSODIPHENYLAMINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PENTACHLOROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
PHENANTHRENE	88	ND < 10	85	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	72
PHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

µg/L = micrograms per liter
ND = Not Detected at given detection limit
* = MW-9 duplicate sample analysis for Dichloromethane = ND(5)

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TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR STZ
(El +15-FOOT SAND ZONE) MONITOR WELLS AND PIEZOMETERS
First Quarter 1995

ANALYTICAL RESULTS (µg/L)					
COMPOUND	P-10	P-11	P-12	MW-10b	MW-11b
BENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
CHLOROBENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
1,2-DICHLOROETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
DICHLOROMETHANE	8.9	9.1	8.0	9.5	ND < 5
ETHYLBENZENE	10	ND < 5	ND < 5	65	13
TOLUENE	ND < 5	ND < 5	ND < 5	24	ND < 5
XYLENES	7.1	ND < 5	ND < 5	160	16
ACENAPHTHENE	140	65	ND < 10	320	430
ACENAPHTHYLENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
ANTHRACENE	15	ND < 10	ND < 10	25	34
BENZO(A)ANTHRACENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-ETHYLHEXYL)PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-CHLOROETHOXY)METHANE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-CHLORONAPHTHALENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
CHRYSENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DIBENZOFURAN	33	41	ND < 10	260	330
2,4-DIMETHYLPHENOL	ND < 10	ND < 10	ND < 10	22	ND < 10
DI-N-BUTYL PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	14
4,6-DINITRO-O-CRESOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2,6-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
1,2-DIPHENYLHYDRAZINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORANTHENE	10	ND < 10	ND < 10	12	19
FLUORENE	90	28	ND < 10	260	400
2-METHYLNAPHTHALENE	120	ND < 10	ND < 10	520	270
NAPHTHALENE	1200	200	ND < 10	9300	1600
NITROBENZENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4-NITROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
N-NITROSODIPHENYLAMINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PENTACHLOROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
PHENANTHRENE	64	13	ND < 10	140	270
PHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	10

µg/L = micrograms per liter
ND = Not Detected at given detection limit

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TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR UTZ
(El +35-FOOT SAND ZONE) MONITOR WELLS
Second Quarter 1995

ANALYTICAL RESULTS (µg/L)										
COMPOUND	MW-1a	MW-2	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9	MW-10a	MW-11a
BENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
CHLOROBENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
1,2-DICHLOROETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
DICHLOROMETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
ETHYLBENZENE	ND < 5*	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
TOLUENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
XYLENES	14*	ND < 5	5.7	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	7.4	ND < 5
ACENAPHTHENE	190*	ND < 10	140	14	ND < 10	ND < 10	30	ND < 10	81	120
ACENAPHTHYLENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
ANTHRACENE	17*	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)ANTHRACENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-ETHYLHEXYL)PHTHALATE	12*	ND < 10	ND < 10	110	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-CHLOROETHOXY)METHANE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-CHLORONAPHTHALENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
CHRYSENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DIBENZOFURAN	120*	ND < 10	110	ND < 10	ND < 10	ND < 10	19	ND < 10	41	57
2,4-DIMETHYLPHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DI-N-BUTYL PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4,6-DINITRO-O-CRESOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2,6-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
1,2-DIPHENYLHYDRAZINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORANTHENE	13*	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	12
FLUORENE	150*	ND < 10	110	ND < 10	ND < 10	ND < 10	26	ND < 10	40	79
2-METHYLNAPHTHALENE	130*	ND < 10	21	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	17	25
NAPHTHALENE	63*	ND < 10	180	ND < 10	18	ND < 10	54	ND < 10	150	93
NITROBENZENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4-NITROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
N-NITROSODIPHENYLAMINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PENTACHLOROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
PHENANTHRENE	70*	ND < 10	38	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	19
PHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

µg/L = micrograms per liter
ND = Not Detected at given detection limit
* = MW-1a duplicate sample: Ethylbenzene = 5.1; Xylenes (Total) = 15; Acenaphthene = 200; Anthracene = 15; Bis(2-ethylhexyl)phthalate = ND < 10; Dibenzofuran = 110; Fluoranthene = 11; Fluorene = 140; 2-Methylnaphthalene = 68; Naphthalene = ND < 10; Phenanthrene = 51

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TABLE 4
SUMMARY OF ANALYTICAL RESULTS FOR STZ
(El +15-FOOT SAND ZONE) MONITOR WELLS AND PIEZOMETERS
Second Quarter 1995

ANALYTICAL RESULTS (µg/L)					
COMPOUND	P-10	P-11	P-12	MW-10b	MW-11b
BENZENE	ND < 5	ND < 5	ND < 5	5.9	ND < 5
CHLOROBENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
1,2-DICHLOROETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
DICHLOROMETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
ETHYLBENZENE	11	ND < 5	ND < 5	56	13
TOLUENE	ND < 5	ND < 5	ND < 5	25	ND < 5
XYLENES	7.5	ND < 5	ND < 5	130	15
ACENAPHTHENE	190	62	ND < 10	330	340
ACENAPHTHYLENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
ANTHRACENE	11	ND < 10	ND < 10	17	28
BENZO(A)ANTHRACENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-ETHYLHEXYL)PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-CHLOROETHOXY)METHANE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-CHLORONAPHTHALENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
CHRYSENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DIBENZOFURAN	23	59	ND < 10	200	260
2,4-DIMETHYLPHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DI-N-BUTYL PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4,6-DINITRO-O-CRESOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2,6-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
1,2-DIPHENYLHYDRAZINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORANTHENE	ND < 10	ND < 10	ND < 10	10	21
FLUORENE	83	49	ND < 10	210	250
2-METHYLNAPHTHALENE	87	ND < 10	ND < 10	400	250
NAPHTHALENE	1100	150	ND < 10	2800	1500
NITROBENZENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4-NITROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
N-NITROSODIPHENYLAMINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PENTACHLOROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
PHENANTHRENE	53	15	ND < 10	110	250
PHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

µg/L = micrograms per liter
ND = Not Detected at given detection limit

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TABLE 5
SUMMARY OF ANALYTICAL RESULTS FOR UTZ
(El +35-FOOT SAND ZONE) MONITOR WELLS
Third Quarter 1995

ANALYTICAL RESULTS (µg/L)										
COMPOUND	MW-1a	MW-2	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9	MW-10a	MW-11a
BENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
CHLOROBENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
1,2-DICHLOROETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
DICHLOROMETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
ETHYLBENZENE	ND < 5	ND < 5	ND < 5	ND < 5	5.8	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
TOLUENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
XYLENES	6.9	6.2	ND < 5	ND < 5	7.4	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
ACENAPHTHENE	120	22	87	99	12	ND < 10	ND < 10	ND < 10	26	95
ACENAPHTHYLENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
ANTHRACENE	12	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)ANTHRACENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-ETHYLHEXYL)PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-CHLOROETHOXY)METHANE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-CHLORONAPHTHALENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
CHRYSENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DIBENZOFURAN	86	19	72	63	ND < 10	ND < 10	ND < 10	ND < 10	13	50
2,4-DIMETHYLPHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DI-N-BUTYL PHTHALATE	12	ND < 10	15	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4,6-DINITRO-O-CRESOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2,6-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
1,2-DIPHENYLHYDRAZINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORANTHENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORENE	110	17	66	72	ND < 10	ND < 10	ND < 10	ND < 10	11	63
2-METHYLNAPHTHALENE	66	120	ND < 10	55	13	ND < 10	ND < 10	ND < 10	ND < 10	46
NAPHTHALENE	29	ND < 10	65	130	420	ND < 10	ND < 10	ND < 10	28	340
NITROBENZENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4-NITROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
N-NITROSODIPHENYLAMINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PENTACHLOROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
PHENANTHRENE	57	12	28	23	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	21
PHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	30	ND < 10	ND < 10	ND < 10
PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

µg/L = micrograms per liter
ND = Not Detected at given detection limit

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TABLE 6
SUMMARY OF ANALYTICAL RESULTS FOR STZ
(El +15-FOOT SAND ZONE) MONITOR WELLS AND PIEZOMETERS
Third Quarter 1995

ANALYTICAL RESULTS (µg/L)					
COMPOUND	P-10	P-11	P-12	MW-10b	MW-11b
BENZENE	ND < 5	ND < 5	ND < 5	6.5	ND < 5
CHLOROBENZENE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
1,2-DICHLOROETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
DICHLOROMETHANE	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
ETHYLBENZENE	5.7	7.8	ND < 5	52	11*
TOLUENE	ND < 5	ND < 5	ND < 5	23	ND < 5
XYLENES	7.2	5.0	ND < 5	120	13*
ACENAPHTHENE	110	68	ND < 10	150	180*
ACENAPHTHYLENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
ANTHRACENE	ND < 10	ND < 10	ND < 10	14	20*
BENZO(A)ANTHRACENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BENZO(A)PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-ETHYLHEXYL)PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
BIS(2-CHLOROETHOXY)METHANE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-CHLORONAPHTHALENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
CHRYSENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DIBENZOFURAN	30	49	ND < 10	120	130*
2,4-DIMETHYLPHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
DI-N-BUTYL PHTHALATE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4,6-DINITRO-O-CRESOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
2,4-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2,6-DINITROTOLUENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
1,2-DIPHENYLHYDRAZINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORANTHENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
FLUORENE	69	47	ND < 10	120	140*
2-METHYLNAPHTHALENE	86	ND < 10	ND < 10	230	190*
NAPHTHALENE	580	200	ND < 10	4900	1700*
NITROBENZENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
4-NITROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
N-NITROSODIPHENYLAMINE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PENTACHLOROPHENOL	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
PHENANTHRENE	43	19	ND < 10	76	100*
PHENOL	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
PYRENE	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

µg/L = micrograms per liter
ND = Not Detected at given detection limit
* = MW-11b duplicate sample: Ethylbenzene = 12; Xylenes (Total) = 14; Acenaphthene = 160; Anthracene = 18; Dibenzofuran = 120; Fluorene = 120; 2-Methylnaphthalene = 150; Naphthalene = 1000; Phenanthrene = 98

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TABLE 7
WATER LEVEL DEPTHS AND ELEVATIONS
FIRST, SECOND AND THIRD QUARTERS 1995

UTZ Well	Total Depth			Reference Elevation	Depth to Water			Water Level Elevation		
	1ST QTR	2ND QTR	3RD QTR		1ST QTR	2ND QTR	3RD QTR	1ST QTR	2ND QTR	3RD QTR
MW-1a	19.45	19.45	19.43	47.97	2.63	2.61	4.78	45.34	45.36	43.19
MW-2	15.43	15.52	18.38	48.05	2.12	2.53	5.34	45.93	45.52	42.71
MW-3	13.14	19.95	19.50	48.63	3.18	3.22	7.90	45.45	45.41	40.73
MW-4	16.75	22.65	22.63	49.91	4.72	4.57	6.47	45.19	45.34	43.44
MW-5 *	24.38	27.21	27.17	46.80/49.60	1.36	3.90	5.35	45.44	45.70	44.25
MW-7	24.57	24.55	24.54	47.71	3.81	3.41	5.74	43.90	44.30	41.97
MW-8	25.05	24.94	24.92	49.37	4.15	4.02	5.95	45.22	45.35	43.42
MW-9	25.22	25.22	25.22	48.81	4.10	3.74	5.08	44.71	45.07	43.73
MW-10a	25.38	25.41	25.39	49.90	4.62	4.60	7.00	45.28	45.30	42.90
MW-11a	23.80	23.78	23.86	50.03	4.88	4.81	6.67	45.18	45.22	43.36
STZ Well/ Piezometer	**1ST QTR**	**2ND QTR**	**3RD QTR**	**Reference Elevation**	**1ST QTR**	**2ND QTR**	**3RD QTR**	**1ST QTR**	**2ND QTR**	**3RD QTR**
MW-10b	46.33	46.34	46.35	49.96	4.72	4.72	7.13	45.24	45.24	42.83
MW-11b	46.46	46.54	46.47	50.19	5.04	5.01	7.23	45.15	45.18	42.96
P-10	42.67	42.69	42.69	48.87	2.67	2.59	4.69	46.20	46.28	44.18
P-11	42.70	42.60	42.61	49.02	3.90	3.77	5.69	45.12	45.25	43.33
P-12	42.71	42.71	42.72	49.29	3.63	3.25	4.62	45.66	46.04	44.67

Depth and elevation measurements are given in feet: depths relative to Reference Elevation point and elevations relative to Mean Sea Level
UTZ - Upper Transmissive Zone
STZ - Secondary Transmissive Zone
* Reference Elevation changed prior to 2nd quarter event; flush mount was raised.

TABLE 8
COMPLIANCE OF WELLS AND PIEZOMETERS
WITH GROUND WATER PROTECTION STANDARD

Monitoring Point	First Quarter		Second Quarter		Third Quarter	
UTZ Well	Compliant	Non-Compliant	Compliant	Non-Compliant	Compliant	Non-Compliant
MW-1a		X		X		X
MW-2	X		X			X
MW-3		X		X		X
MW-4		X		X		X
MW-5	X			X		X
MW-7	X		X		X	
MW-8		X		X		X
MW-9	X*		X		X	
MW-10a		X		X		X
MW-11a		X		X		X
STZ Well/Piezometer	Compliant	Non-Compliant	Compliant	Non-Compliant	Compliant	Non-Compliant
MW-10b		X		X		X
MW-11b		X		X		X
P-10		X		X		X
P-11		X		X		X
P-12	X*		X		X	

* Considered provisionally compliant since, with the exception of dichloromethane, all constituents were compliant; dichloromethane was detected at equivalent concentrations of the same order of magnitude as the analytical detection limit in these samples and in the trip blank, but was not detected in duplicate MW-9 sample.

APPENDIX A

ANNUAL WASTE SUMMARY
FOR DATA YEAR 1995

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Southern Pacific Lines

Environmental Operations
913 Franklin Street, Room 712, Houston, Texas 77002

Timothy J. O'Brien
Manager Environmental Field Operations

(713) 223-7640
FAX (713) 223-7538

January 22, 1996

Texas Natural Resource Conservation Commission
Attn: Ms. Joy McGee, Leader
Waste Report Audit Team
Waste Evaluation Section
Industrial and Hazardous Waste Division
P.O. Box 13087
Austin, Texas 78711-3087

Dear Ms. McGee:

Enclosed please find the 1995 Annual Waste Summary for the Southern Pacific Lines facility at 4910 Liberty Road in Houston, Texas. The solid waste registration number is 31547, and the generator EPA ID # is TXD000820266.

If you have any questions, please feel free to call me at (713)223-7640.

Sincerely,

SOUTHERN PACIFIC LINES

Timothy J. O'Brien
Manager Environmental Field Operations

TJO/wrg

Enclosures

WASTE EVALUATION SECTION
MC 129
INDUSTRIAL AND HAZARDOUS WASTE DIVISION
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
P.O. BOX 13087
AUSTIN, TEXAS 78711-3087 TELEPHONE: (512) 239-6832

ANNUAL WASTE SUMMARY (1)

FOR DATA YEAR: 1995

Your SOLID WASTE REGISTRATION NUMBER: 31547 (1) G1 (6) Report for: 19 95 (8)

Your EPA ID # TXD000820266 (10)

SUMMARY STATUS
- [X] ORIGINAL SUMMARY
- [ ] REVISED SUMMARY
- [ ] SUPPLEMENTAL SUMMARY

Aniko Molnar
Southern Pacific Transportation Company
PO BOX 1319
HOUSTON, TX 77001 714-546-0484

[ ] (22) NO REPORT REQUIRED {See 30 TAC 335.9 (a)(3); also see instructions

TEXAS WASTE CODE (1)	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.		TOTAL QUANTITY GENERATED	UNIT *
0001301H (23)	K001 (31)	(35)	(39)	(43)	The waste is soil generated primarily by the boring of	260980 (47)	P (56)

QUANTITY HANDLED	UNITS *	SYSTEM TYPE CODE	FEE **	FACILITY NUMBER	RECEIVER'S EPA ID #	COMMENTS
260980 (57)	P (66)	M043 (67)	(70)	50089 (71)	TXD055141378 (76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)

TEXAS WASTE CODE (1)	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.		TOTAL QUANTITY GENERATED	UNIT *
02012061 (23)	(31)	(35)	(39)	(43)	Waste oil. The waste oil is generated from four (4) for	597 (47)	P (56)

QUANTITY HANDLED	UNITS *	SYSTEM TYPE CODE	FEE **	FACILITY NUMBER	RECEIVER'S EPA ID #	COMMENTS
597 (57)	P (66)	M061 (67)	(70)	32479 (71)	TXD490014149 (76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)

I certify under penality 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.

William R Goldsby — Preparer (PRINT NAME)	William R Goldsby — Signature of Preparer	1-16-96 — Date
Timothy J. O'Brien — Authorized Agent (PRINT NAME)	Timothy J. O'Brien — Signature of Authorized Agent	1/22/96 — Date

(1) Waste generated in state only - doe not include maquiladora & foreign wast

* Enter one letter: P = pounds, T = tons (2000 lb K = kilograms,

** See instructions re: Exemptions fror hazardous wast generation Fee

WASTE EVALUATION SECTION
MC 129
INDUSTRIAL AND HAZARDOUS WASTE DIVISION
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
P.O. BOX 13087
AUSTIN, TEXAS 78711-3087 TELEPHONE: (512) 239-6832

ANNUAL WASTE SUMMARY ①

FOR DATA YEAR: 1995

Your SOLID WASTE REGISTRATION NUMBER: 31547 (1) G 1 (6) Report for: 19 95 (8)

Your EPA ID # TXD008202666 (10)

SUMMARY STATUS
- [X] ORIGINAL SUMMARY
- [ ] REVISED SUMMARY
- [ ] SUPPLEMENTAL SUMMARY

[ ] (22) NO REPORT REQUIRED {See 30 TAC 335.9 (a)(3); also see instructions

Aniko Molnar
Southern Pacific Transportation Company
PO BOX 1319
HOUSTON, TX 77001 714-546-0484

TEXAS WASTE CODE ①	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.		TOTAL QUANTITY GENERATED	UNIT *
0912489H (23)	(31)	(35)	(39)	(43)	Creosote sludge, soil mixture. This mixture is generate	(47)	(56)

QUANTITY HANDLED	UNITS *	SYSTEM TYPE CODE	FEE **	FACILITY NUMBER	RECEIVER'S EPA ID #	COMMENTS
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)

TEXAS WASTE CODE ①	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.		TOTAL QUANTITY GENERATED	UNIT *
0914101H (23)	(31)	(35)	(39)	(43)	Aqueous waste with low solvents. Groundwater generated	(47)	(56)

QUANTITY HANDLED	UNITS *	SYSTEM TYPE CODE	FEE **	FACILITY NUMBER	RECEIVER'S EPA ID #	COMMENTS
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)
(57)	(66)	M (67)	(70)	(71)	(76)	(88) (11)

I certify under penality 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.

William R Goldsby — Preparer (PRINT NAME)	William R Goldsby — Signature of Preparer	1-16-96 — Date
Timothy J. O'Brien — Authorized Agent (PRINT NAME)	Timothy J. O'Brien — Signature of Authorized Agent	1/22/96 — Date

① Waste generated in state only - doe not include maquiladora & foreign wast

* Enter one letter: P = pounds, T = tons (2000 lb) K = kilograms,

** See instructions re: Exemptions from hazardous waste generation Fee

WASTE EVALUATION SECTION
MC 129
INDUSTRIAL AND HAZARDOUS WASTE DIVISION
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
P.O. BOX 13087
AUSTIN, TEXAS 78711-3087 TELEPHONE: (512) 239-6832

ANNUAL WASTE SUMMARY (1)

FOR DATA YEAR: 1995

SUMMARY STATUS
☒ ORIGINAL SUMMARY
☐ REVISED SUMMARY
☐ SUPPLEMENTAL SUMMARY

Your SOLID WASTE REGISTRATION NUMBER: 31547 (1–5) G1 (6–7) Report for: 19 95 (8–9)

Your EPA ID #: TXD000820266 (10–21)

Aniko Molnar
Southern Pacific Transportation Company
PO BOX 1319
HOUSTON, TX 77001 714-546-0484

☐ (22) NO REPORT REQUIRED {See 30 TAC 335.9 (a)(3); also see instructions

TEXAS WASTE CODE (1) (23–30)	EPA HAZARDOUS WASTE NO. (31–34)	EPA HAZARDOUS WASTE NO. (35–38)	EPA HAZARDOUS WASTE NO. (39–42)	EPA HAZARDOUS WASTE NO. (43–46)		TOTAL QUANTITY GENERATED (47–55)	UNIT * (56)
04003011					Petroleum contaminated soil. These soils are generated		

QUANTITY HANDLED (57–65)	UNITS * (66)	SYSTEM TYPE CODE (67–69)	FEE ** (70)	FACILITY NUMBER (71–75)	RECEIVER'S EPA ID # (76–87)	COMMENTS (88–111)
		M				
		M				
		M				
		M				

TEXAS WASTE CODE (1) (23–30)	EPA HAZARDOUS WASTE NO. (31–34)	EPA HAZARDOUS WASTE NO. (35–38)	EPA HAZARDOUS WASTE NO. (39–42)	EPA HAZARDOUS WASTE NO. (43–46)		TOTAL QUANTITY GENERATED (47–55)	UNIT * (56)
09091011					Aqueous waste with low surfactants. Groundwater generat		

QUANTITY HANDLED (57–65)	UNITS * (66)	SYSTEM TYPE CODE (67–69)	FEE ** (70)	FACILITY NUMBER (71–75)	RECEIVER'S EPA ID # (76–87)	COMMENTS (88–111)
		M				
		M				
		M				
		M				

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Timothy J. O'Brien — Signature of Authorized Agent
1/22/96 — Date

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PO BOX 1319
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0915301H (23)	(31)	(35)	(39)	(43)	Soil contaminated with organics. The soil is derived fr	(47)	(52)

QUANTITY HANDLED	UNITS *	SYSTEM TYPE CODE	FEE **	FACILITY NUMBER	RECEIVER'S EPA ID #	COMMENTS
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)

TEXAS WASTE CODE (1)	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.	EPA HAZARDOUS WASTE NO.		TOTAL QUANTITY GENERATED	UNI *
0002101H (23)	K001 (31)	(35)	(39)	(43)	Purge Water from monitor wells	17468 (47)	P (52)

QUANTITY HANDLED	UNITS *	SYSTEM TYPE CODE	FEE **	FACILITY NUMBER	RECEIVER'S EPA ID #	COMMENTS
17468 (57)	P (66)	M134 (67)	(70)	30567 (71)	TXD097673149 (76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)
(57)	(66)	M (67)	(70)	(71)	(76)	(88)

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(1) Waste generated in state only - doe not include maquiladora & foreign wast

* Enter one letter: P = pounds, T = tons (2000 lb) K = kilograms,

** See instructions re: Exemptions from hazardous waste generation Fee

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Your EPA ID # TXD000820266 (10)

SUMMARY STATUS
- [X] ORIGINAL SUMMARY
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[ ] (22) NO REPORT REQUIRED {See 30 TAC 335.9 (a)(3); also see instructions

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HOUSTON, TX 77001 714-546-0484

TEXAS WASTE CODE (1) (23)	EPA HAZARDOUS WASTE NO. (31)	EPA HAZARDOUS WASTE NO. (35)	EPA HAZARDOUS WASTE NO. (39)	EPA HAZARDOUS WASTE NO. (43)		TOTAL QUANTITY GENERATED (47)	UNIT * (50)
D0014061					Spent PPE and Disposable Bailers	350	P

QUANTITY HANDLED (57)	UNITS * (66)	SYSTEM TYPE CODE (67)	FEE ** (70)	FACILITY NUMBER (71)	RECEIVER'S EPA ID # (76)	COMMENTS (88)
350	P	M043		50089	TXD055141378	
		M				
		M				
		M				

TEXAS WASTE CODE (1) (23)	EPA HAZARDOUS WASTE NO. (31)	EPA HAZARDOUS WASTE NO. (35)	EPA HAZARDOUS WASTE NO. (39)	EPA HAZARDOUS WASTE NO. (43)		TOTAL QUANTITY GENERATED (47)	UNIT * (50)

QUANTITY HANDLED (57)	UNITS * (66)	SYSTEM TYPE CODE (67)	FEE ** (70)	FACILITY NUMBER (71)	RECEIVER'S EPA ID # (76)	COMMENTS (88)
		M				
		M				
		M				
		M				

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APPENDIX B

POTENTIAL CONTAMINANTS OF CONCERN AND CONCENTRATION LIMITS FOR GROUND WATER PROTECTION STANDARD

POTENTIAL CONTAMINANTS OF CONCERN AND CONCENTRATION LIMITS FOR GROUND WATER PROTECTION STANDARD

Hazardous Constituents	Detection Limits (mg/l)
Acenaphthene	ND (0.010)
Acenaphthylene	ND (0.010)
Anthracene	ND (0.010)
Benzene	ND (0.005)
Benzo(A)anthracene	ND (0.010)
Benzo(A)pyrene	ND (0.010)
Bis(2-ethylhexyl)phthalate	ND (0.010)
Bis(2-chloroethoxy)methane	ND (0.010)
Chlorobenzene	ND (0.005)
2-Chloronaphthalene	ND (0.010)
Chrysene	ND (0.010)
Dibenzofuran	ND (0.010)
1,2-Dichloroethane	ND (0.005)
Dichloromethane (Methylene chloride)	ND (0.005)
2,4-Dimethylphenol	ND (0.010)
Di-n-butyl phthalate	ND (0.010)
4,6-Dinitro-o-cresol	ND (0.050)
2,4-Dinitrotoluene	ND (0.010)
2,6-Dinitrotoluene	ND (0.010)
1,2-Diphenylhydrazine	ND (0.010)
Ethylbenzene	ND (0.005)
Fluoranthene	ND (0.010)
Fluorene	ND (0.010)
2-Methylnaphthalene	ND (0.010)
Naphthalene	ND (0.010)
Nitrobenzene	ND (0.010)
4-Nitrophenol	ND (0.050)
N-Nitrosodiphenylamine	ND (0.010)
Pentachlorophenol	ND (0.050)
Phenanthrene	ND (0.010)
Phenol	ND (0.010)
Pyrene	ND (0.010)
Toluene	ND (0.005)
Xylenes	ND (0.005)

POST-CLOSURE FINANCIAL ASSURANCE CALCULATION

Southern Pacific Transportation Company (SPTCo)
Former Houston Wood Preserving Works
4910 Liberty Road
Houston, Texas

Surface Impoundment
Post-Closure Care Permit HW-50343-000
Industrial Solid Waste Registration No. 31547

Ground Water Monitoring

24 wells sampled quarterly/semi-annually = $60,000

Operation & Maintenance

Miscellaneous monthly repairs @ $100/month = $ 1,200

1996 Annual Total = $61,200

TerraNext