TRANSWESTERN PIPELINE COMPANY

REGION VI

MEW MEXICO AND TEXAS

VOLUME 1

90072185

ATTACHMENT 1.1

Site Description

New Mexico Facilities

1200315

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POLYCHLORINATED BIPHENYL ASSESSMENT
TRANSWESTERN PIPELINE COMPANY FACILITIES
IN U.S. ENVIRONMENTAL PROTECTION AGENCY
NEW MEXICO REGION 6

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Prepared for

Transwestern Pipeline Company

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1200317

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EXECUTIVE SUMMARY

Transwestern Pipeline Company (TPC) operates a natural gas pipeline which extends approximately 615 miles from the gas producing fields in western Texas to a measuring and distribution point at Needles, Arizona. Lubricating oil containing Polychlorinated Biphenyls (PCB) was used in the gas turbine at TPC's Corona, New Mexico compressor station from July 1968 to December 1972. During the period of use, some of this material contaminated parts of the Corona facility and entered the pipeline, contaminating downstream portions of the system. While the lubricating oil was removed from the Corona turbine in 1972 when concerns over PCB's were expressed, residual contamination may still be detected at parts of the system. To date, heavily-contaminated material previously contained in surface impoundments at the Corona facility has been removed and disposed of in accordance with law and the use of open impoundments for the collection and storage of pipeline fluids discontinued.

Voluntary investigations were initiated on elements of TPC's system within Environmental Protection Agency (EPA) Region 6 in April 1985 at the time the system was acquired, and cleanup plans have been tentatively approved by the agency. This report summarizes site assessment activities at facilities in New Mexico including the Corona, Mountainair, Laguna, and Thoreau compressor stations. Field screening procedures were used to guide sampling, while confirmation analysis on sample splits was conducted using formal EPA-approved procedures by Controls For Environmental Pollution, Inc. of Santa Fe, New Mexico. It also describes planned cleanup activities.

PCB contamination was generally found to be limited to areas where fluids had been removed from the pipeline. These areas include: locations where pigs used to clean the pipeline interior were removed and stored; impoundments where pipeline fluids were stored; and areas where pipeline pressure relief devices emitted pipeline fluids. In general, the contamination sites are very remote and all have restricted access.

Thoreau Compressor Station. At least two pipeline fluid impoundments were identified. One consisted of a buried impoundment roughly underlying the most recently-used concrete-lined impoundment. The concrete-lined impoundment has been removed, and pipeline fluids are currently piped directly from the pig receiver to an above-ground 500-bbl tank pending disposal. Surface PCB contamination was observed to exceed 25 mg/kg in the area around the pig receiver and the former condensate impoundments. Borings and test excavations conducted in the vicinity of the former condensate impoundments detected contamination to a depth of 38 feet below ground surface. This contamination is localized and appears to be related to seepage from the original impoundment. Of the samples analyzed by gas chromatography (GC), the mean observed value was 50.42 mg/kg and the median was 2.20 mg/kg. The estimated undisturbed volume of contaminated soil at this site is 8,000 cubic yards.

Of the three aquifers reported in the area, only the deeper two have reported use. No groundwater was encountered during the investigation. Station water is supplied by three wells, with a shallowest reported depth to water of 311 feet. In addition, a clay strata was detected under the site in all borings at a depth of about 40 feet. Low observed penetration of contamination into this layer suggests that it should act as a barrier to vertical contamination penetration. The area of subsurface contamination has been secured and equipped with devices to detect contaminant migration pending determination of cleanup technique and final cleanup.

Laguna Compressor Station. Pipeline fluids were formerly stored in a concrete-lined impoundment which has been drained and filled with contaminated soil. Pipeline fluids are currently piped directly to an above-ground storage tank pending disposal. Surface contamination exceeding 25 mg/kg was detected in the general area of the pig receiver and in the area around and downslope of the former condensate impoundment. No significant deeper contamination was observed. Of the samples analyzed by GC, the observed mean value was 32 mg/kg and the median value 6.5 mg/kg. The estimated in-place volume of contamination exceeding 25 mg/kg is 2,500 cubic yards.

Groundwater at this site is reported to be shallow (about 25 feet) but is high in TDS and not utilized. Water is imported by truck for use at the station.

Mountainair Compressor Station. Pipeline fluids were formerly stored in two impoundments. The impoundment closest to the pig receiver was earth lined and has been filled. The other impoundment is concrete lined and has been drained and filled with contaminated soil. Pipeline fluids are currently piped directly to an above-ground storage tank pending disposal. Contamination exceeding 25 mg/kg was observed in the vicinity of the pig receiver and the impoundments. Localized contaminated stains exceeding 25 mg/kg were also observed in the vicinity of the above-ground storage tank and around the compressor building. It is suspected that both represent small surface spills. The earth-lined impoundment adjacent to the pig receiver was constructed above grade. Boring samples indicate that contaminants have not penetrated underlying native materials. Borings around the concrete-lined impoundment indicate localized penetration of contamination exceeding 25 mg/kg to rock (siltstone) to a maximum depth of about 18.5 feet. The average mean value for samples analyzed by GC was 17.57 mg/kg, while the median value was 0.93 mg/kg. The estimated volume of contaminated material exceeding 25 mg/kg at this site is 2,100 cubic yards.

Bedrock outcrops throughout much of the site. Two wells located on the station have depths exceeding 600 feet, although the static water level data was not available. Groundwater is not believed to be threatened.

Corona Compressor Station. Pipeline fluids and contaminated turbine oil were originally placed in several earth-lined impoundments. (Note that pipeline fluids removed at the pig receiver of this station are generated upstream of the PCB source and are not contaminated.) The contents of these impoundments and some underlying contamination was removed in 1984. Investigations conducted as part of this study, however, revealed the presence of contamination in other areas.

Surface contamination of the pig receiver-old impoundment area and the operational area around the compressor buildings exceeding 25 mg/kg was detected. In addition, surface contamination was detected offsite (off the east property boundary and along an intermittent drainage feature trending to the SE) and in the vicinity of the active site landfill. Borings were advanced in the vicinity of the excavated impoundments and indicated the presence of contamination exceeding 25 mg/kg to a depth of at least 14 feet. Of the soil samples analyzed by GC, a mean value of 945.67 mg/kg was calculated. The median value for these samples was 116.5 mg/kg. The estimated in-place volume of contaminated material above 25 mg/kg is 23,000 cubic yards (assuming a maximum excavation depth of 15 feet).

Two wells are reported in the vicinity of the station. The closest is 424.5 feet deep, with a reported static water level of 379.5 feet. The second well is about 3 miles away and is 150 feet deep.

Other Facilities. Other facilities in EPA Region 6 which were investigated include remote pig receivers at the following locations: located between the Thoreau and Laguna compressor stations (Grant's Pig Receiver), the Rio Grande River crossing, and the Mountainair and Corona compressor stations

(Corona Loop Receiver). All sites are fenced and locked. Additional facilities that were examined include the Belen pressure release valve and the Belen Maintenance Station. The only sample collected from these locations exceeding 25 mg/kg was from a small surface stain at the Rio Grande River Crossing.

1.0
INTRODUCTION

This report describes field sampling procedures and analytical results of investigations of potential Polychlorinated Biphenyl (PCB) contamination at Transwestern Pipeline Company (TPC) facilities within United States Environmental Protection Agency (EPA) Region 6 in the State of New Mexico.

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2.0 BACKGROUND

TPC operates a 30-inch-diameter natural gas pipeline that extends 615 miles from natural gas producing areas in western Texas to a measuring and distribution point near Needles, Arizona. The transmission system includes nine compressor stations located at intervals along the line, and ancillary facilities including maintenance stations, pipe cleaning stations and pressure relief (blowdown) devices. Location of major elements of the system in EPA Region 6 are shown in Figure 1.

A gas turbine compressor was installed at Station 8 (Corona, New Mexico) to replace a reciprocating unit which was destroyed in an accident. It is the only gas turbine in the Transwestern System. A synthetic lubricating oil containing PCB's was used in this turbine from July 1968 to December 1972 until the manufacturer of the oil (Monsanto) issued a notice concerning the environmental acceptability of PCB's. It is the only facility in the system reported to have used PCB-bearing lubrication oil. PCB's entered the pipeline during the period of use and contaminated downstream elements of the system.

PCB migration through the pipeline is believed to be associated with the generation and movement of natural gas liquids (condensate) which form within the pipeline due to changes in temperature and pressure. To maintain the efficient flow of gas through the pipeline, condensate accumulations are periodically and routinely removed through an operation known as pigging. During pigging, one or more piston-like devices (pigs) are inserted into the pipeline and pushed between insertion (launcher) and removal (receiver) points by differential gas pressure. The pigs push the

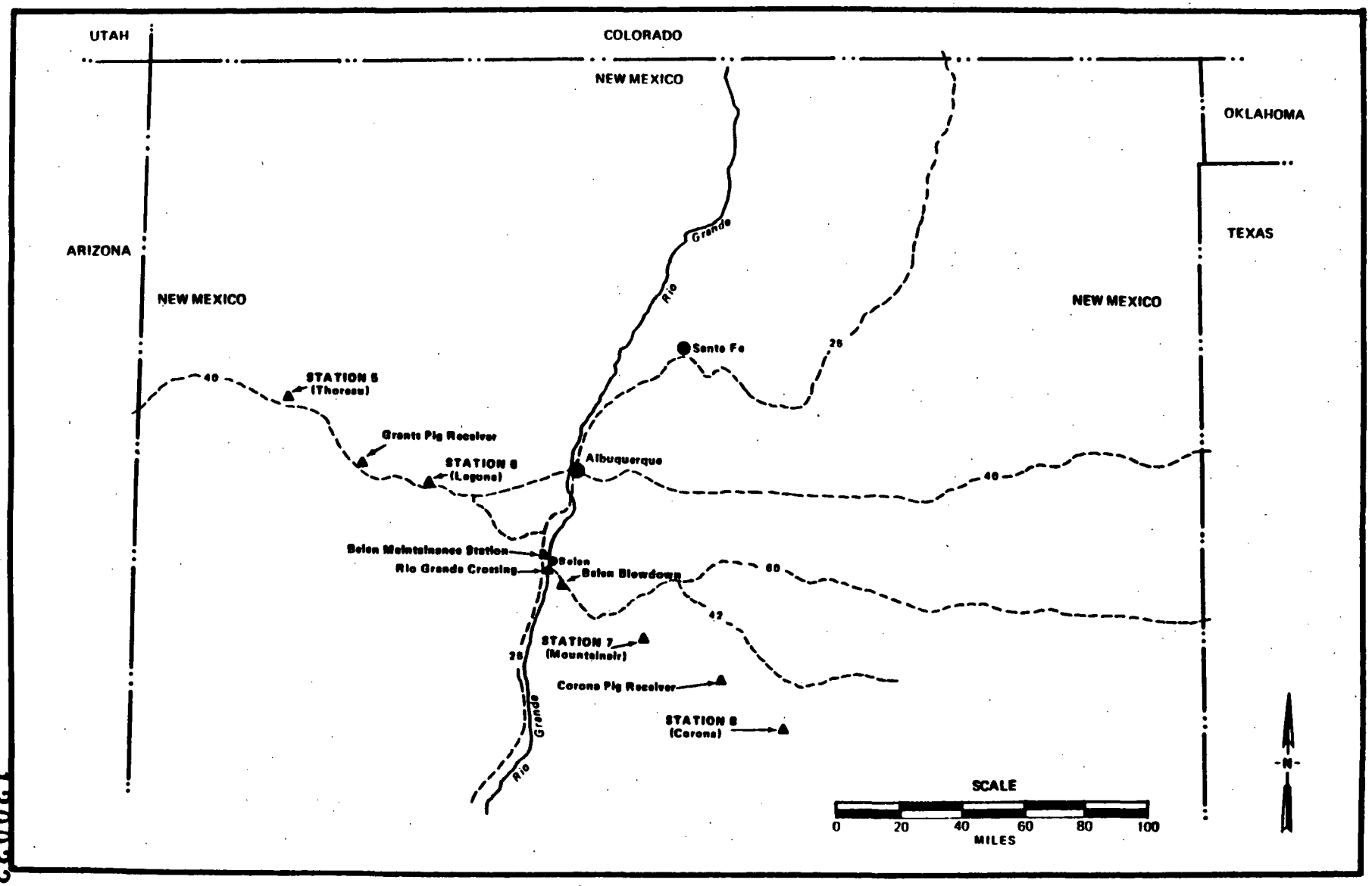

Figure 1. General Locality Map of Transwestern Pipeline Stations in EPA Region 6.

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accumulated condensate ahead of them to the receivers where both are removed from the line. The amount of condensate generated in each segment of the pipeline varies as a function of local conditions but in general decreases with distance from the source. Records indicate that very little condensate has been removed from the system at the Needles distribution point at the western terminus of the pipeline.

Historically, liquids removed from the pipeline at various points were placed in open earthen impoundments at the compressor stations. More recently, these impoundments were closed or retrofitted with concrete or plastic liners. No impoundments currently receive pipeline fluids. All pipeline condensate is currently collected and piped directly to above-ground tanks and disposed of at an EPA-approved commercial disposal facility.

Operational lined surface impoundments in EPA Region 6 occur at Thoreau and Mountainair and are used to contain nonpipeline fluids including those generated in the compressor engine rooms (engine oil and washdown water). These fluids may contain trace levels of PCB's.

In addition to the former unlined impoundments described above, historical pipeline liquid handling practices have resulted in PCB contamination of other areas on each station, as is described in this report. It is believed that existing PCB contamination is the result of historical practices and that current activities are not contributing to ongoing contamination.

3.0
WASTE LIQUIDS

Fluids routinely accumulate in high pressure natural gas pipelines. These fluids consist primarily of water and natural gas liquids, and may contain trace impurities such as metals and hydrogen sulfide which occur from the source gas fields. No significant amount of such impurities are known to exist in the TPC System. Additional materials may be introduced to the system for cleaning and via compressor blowby, leaky seals, and other causes related to the compressor used to move the gas through the line.

When pipeline fluids accumulate to the point where they interfere with the effectiveness of the system, they are removed by introducing a scraping device called a pig into the line. The pig is pushed through the line by gas pressure and scrapes off material adhering to the sides of the line. It then pushes the accumulated material ahead of it to a collection point known as a pig receiver. Typically, pigs are launched and received between each compressor station with a frequency of one to several times a month. A variety of materials have been introduced into the line intermittently with the pigs in attempts to improve their performance in the removal of PCB-contaminated liquids. These materials have included diesel fuel and methanol.

Pipeline fluids are removed at the pig receiver at the time of removal of the pig and placed in a containment for recycling or disposal. Current practice involves collection of pipeline fluids in a concrete containment at the pig receiver. Fluids are then drained to an adjacent concrete or metal sump from which they are pumped to an above-ground holding tank. Pipeline fluids are also accumulated by the gas scrubbers and mist

extractor at each station. These devices remove fluids from gases released during pipeline overpressure and during pig removal.

At each pipeline station, small amounts of pipeline fluids may also be produced from pressure relief valves, knockout devices, valve bodies, oriface fittings, meters, piping headers, and other drain points. Typically, these sources of fluid discharge directly to the ground or to the compressor engine room drains.

Waste oil from the compressors and compressor engines, degreasers, detergents, washdown water, and other fluids associated with maintenance and operation of the compressors are collected and drained into a collection sump near the engine house. These sumps pump directly into containments where the floating immiscible materials can be separated and collected.

Most facilities include a machine shop and vehicle maintenance area (wash rack). Materials generated at these locations include small amounts of solvents, degreasers, petroleum lubricants and detergents. On occasion, pigs may have been cleaned at some of the vehicle wash racks. Such actions may have introduced small quantities of PCB's into the respective drains.

TPC facilities in EPA Region 6 which have or are suspected to have PCB contamination include Compressor Station 5 (Thoreau), Compressor Station 6 (Laguna), Compressor Station 7 (Mountainair), and Compressor Station 8 (Corona).

Region 6 Site Descriptions

Compressor Station 5, Thoreau, New Mexico

Pipeline fluids collected from the pig receiver and scrubber were historically placed in an unlined 8'x20'x20' impoundment near the

receiver. This impoundment was filled in 1976-78 and was replaced with a 6'x20'x20' concrete-lined impoundment which was used for pipeline fluids until 1983-84. Pipeline fluids from the pig receiver and scrubber are currently stored for periodic off site disposal in an above-ground 500-barrel tank which was installed at the end of 1981. The concrete-lined impoundment was removed in 1987.

Washdown water from the compressor engine room and the maintenance washrack is drained into a concrete-lined 8'x50'x50' impoundment. An additional unlined 6'x26'x56' impoundment is currently used for surface drainage control and overflow from the washrack. No direct discharge of pipeline fluids to either of these impoundments was reported.

Compressor Station 6, Laguna, New Mexico

Pipeline fluids were stored in a concrete-lined 6'x20'x20' impoundment until March/April, 1984. Collected pipeline fluids are now placed in an aboveground 500-barrel tank. The impoundment was then used for storage of waste oil, washrack discharge and engine room washdown water. Standard practice has included pumping off water from this impoundment to the adjacent land surface. Evidence of surface contamination suggests that some oily material is inadvertantly discharged to the land surface through this process. This impoundment is no longer in use and has been drained.

A variety of minor leaks and blowdowns were observed in the vicinity of the compressor building.

Compressor Station 7 Mountainair, New Mexico

Pipeline fluids were originally placed in a 4'x20'x30' unlined impoundment adjacent to the pig receiver. Through August 1984, pipeline fluids were placed in a 5.5'x20'x20' concrete-lined impoundment. This impoundment has been drained and is no longer in use. A 500-barrel above-ground tank is currently used to store collected pipeline fluids.

A 6'x40'x40' concrete-lined impoundment is located along the western property boundary. This impoundment is used for waste oil and engine room washdown water. Drainage from the wash rack discharges to an unlined impoundment east of the compressor house. Overflow from this impoundment drains into another unlined impoundment to the south. This impoundment is used primarily for water softener brine.

Compressor Station 8, Corona, New Mexico

Pipeline fluids and engine room washdown water were placed in three unlined impoundments near the pig receiver. Impoundments A (5'x67'x59') and B (5'x50'x54') were used until September 1981. Both of these impoundments were closed and backfilled in October 1983. Impoundment C (4'x50'x40) was operated (presumably for washdown water) until August 1984, when it was closed and backfilled. Pipeline fluids, waste oil and washdown water are currently stored in an above-ground 500-barrel tank.

Rio Grande River Crossing (Belen)

A pig receiver is located on the east side of the Rio Grande River. Historically, pipeline fluids collected at this site were placed in drums for disposal. Currently, pipeline fluids are pumped to a 500-barrel, above-ground tank.

Estimated Quantities of Waste Liquids Stored on TPC Facilities

Estimation of the quantities of waste liquid stored on TPC facilities in EPA Region 6 at and west of Compressor Station 8 are based on tank and impoundment measurements taken by station personnel on or about April 22, 1985. The calculated volumes of liquids are summarized in Table 1. It should be noted that volumes of fluids will change constantly as additional material is generated and removed for disposal.

Table 1. STORED LIQUIDS - TPC FACILITIES - EPA REGION 6

Station	Impoundment	Volume of Waste Liquid in Impoundment (bbl)	Tank Cap. (bbl)	Est. Tank Vol. (bbl)**
5 Thoreau	unlined	closed 1976-78	500	78
	concrete lined	closed 1987		
	concrete lined	unk*		
	unlined	unk*		
6 Laguna	concrete lined	closed 1986*	500	50
7 Mountainair	unlined	closed 1984	500	81
	concrete lined	closed 1987		
	concrete lined	unk*		
	unlined	unk*		
	unlined	unk*		
8 Corona	unlined	closed 1983	500	100
	unlined	closed 1983		
	unlined	closed 1984		
Rio Grande	none	0	500	53

* Reported as not receiveing pipeline fluids
** As of April 1985

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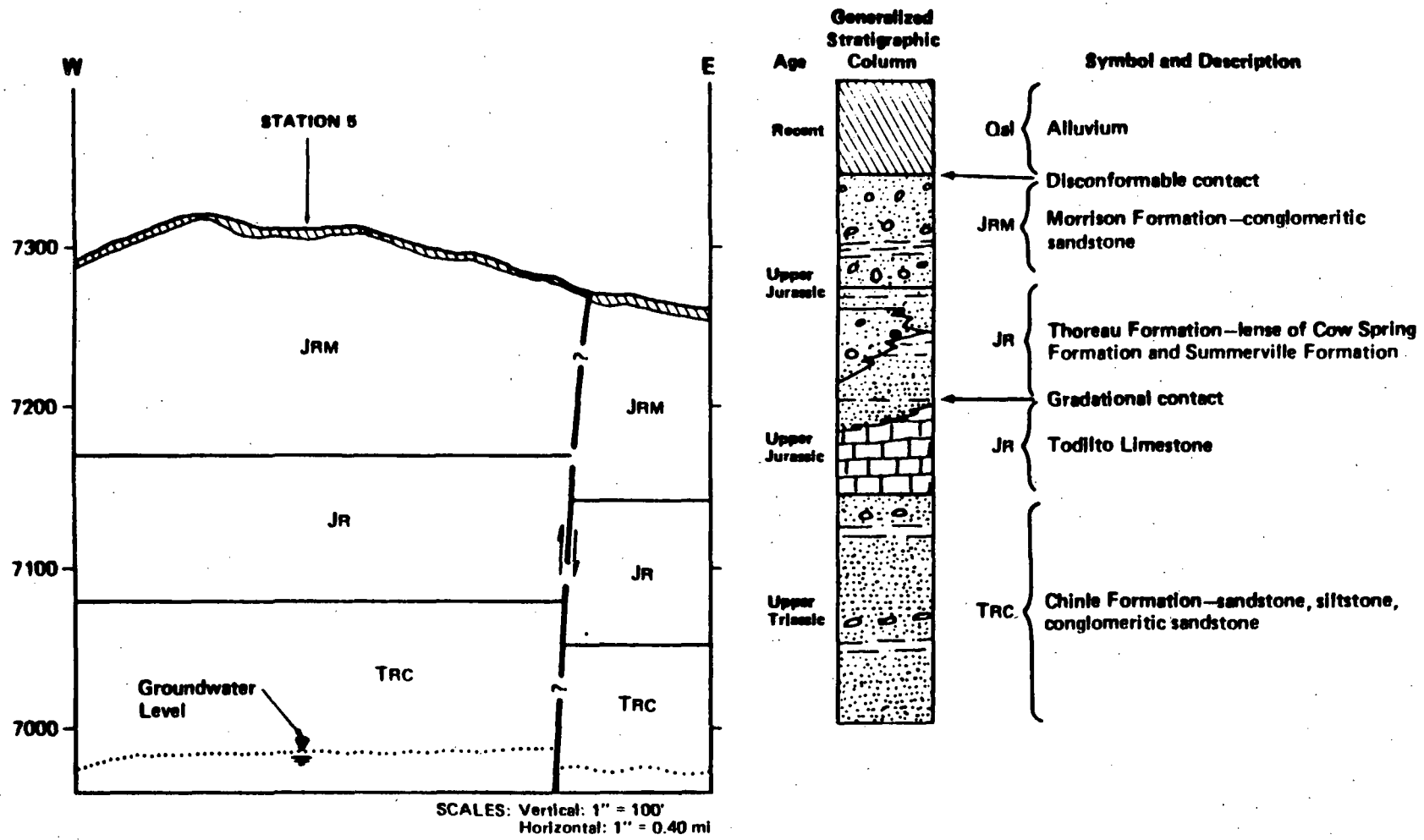
4.0
PHYSICAL CHARACTERISTICS

This hydrogeologic summary individually examines each site to ascertain its general geologic and hydrologic characteristics. This examination utilizes information supplied by TPC and that available from the general literature. The TPC facilities located in EPA Region 6 are shown in Figure 1.

The subject facilities (Figure 1) are located within two distinct physiographic provinces and as such have climatic, geologic, and hydrogeologic conditions unique to each site. Generalized geologic cross sections and depth to groundwater for each station is shown on Figures 2, 3, 4, 5 and 6.

4.1 COMPRESSOR STATION 5, THOREAU, NEW MEXICO

Transwestern Pipeline Compressor Station 5 is located about 1 1/2 miles northwest of Thoreau, McKinley County, western New Mexico (Figure 1). Interstate Highway 40 and the Achison-Topeka-Santa Fe Railroad are within one mile of the station. The station is positioned on relatively flat ground at an elevation of 7310 feet, and is just east of the Continental Divide. The pipeline and transportation routes are located within a northwest trending drainage channel called Mitchell Draw. Several perennial and annual streams, some of which are derived from snowmelt, coalesce in Mitchell Draw.



Project No. 90158A

Woodward-Clyde Consultants

TPC

GENERALIZED GEOLOGIC CROSS SECTION AND DEPTH TO GROUNDWATER COMPRESSOR STATION 5

Figure 2

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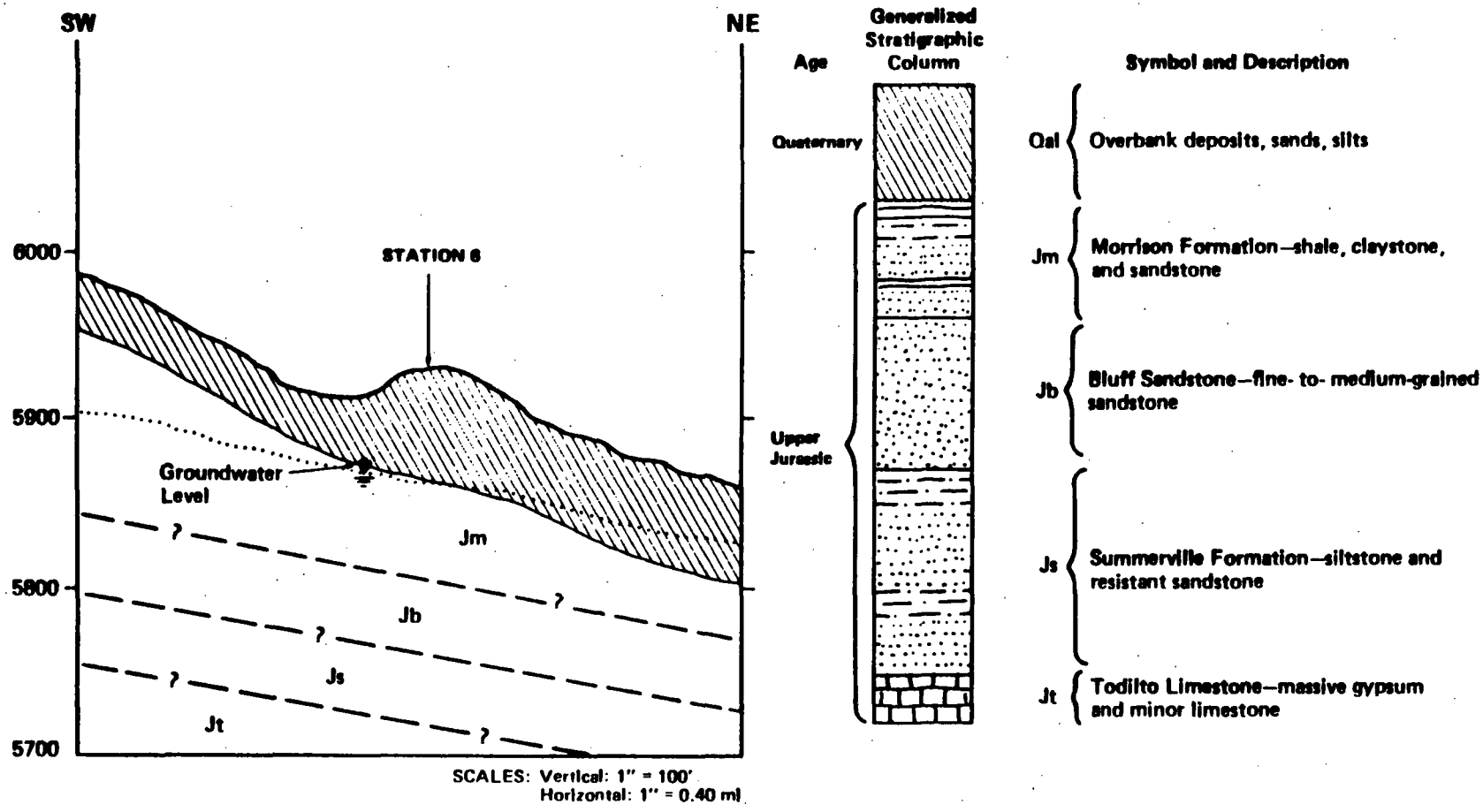

Project No. 90158A	TPC	GENERALIZED GEOLOGIC CROSS SECTION AND DEPTH TO GROUNDWATER IN THE VICINITY OF COMPRESSOR STATION 6	Figure 3
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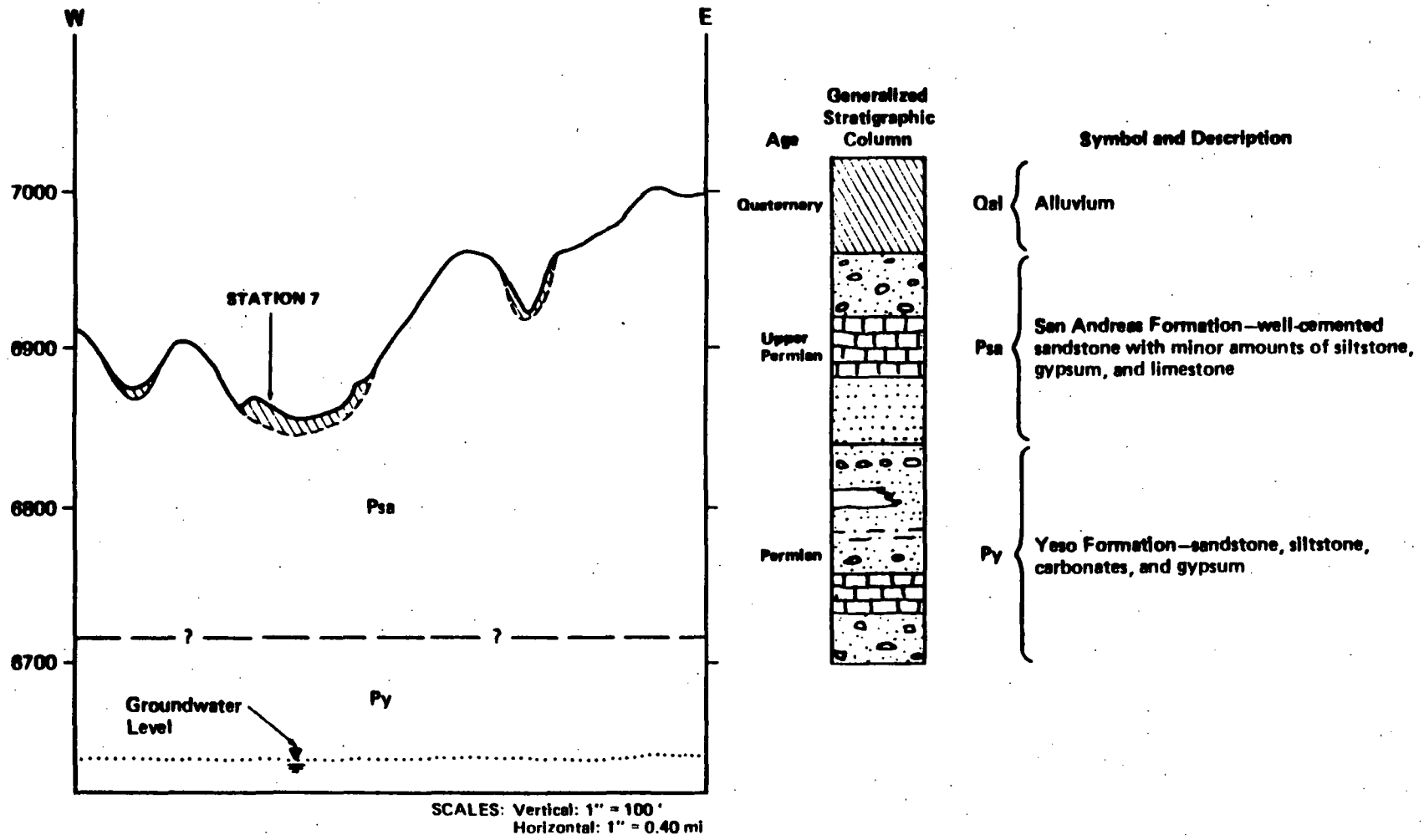

Project No. 80158A	TPC	GENERALIZED GEOLOGIC CROSS SECTION AND DEPTH TO GROUNDWATER IN THE VICINITY OF COMPRESSOR STATION 7	Figure 4
Woodward-Clyde Consultants			

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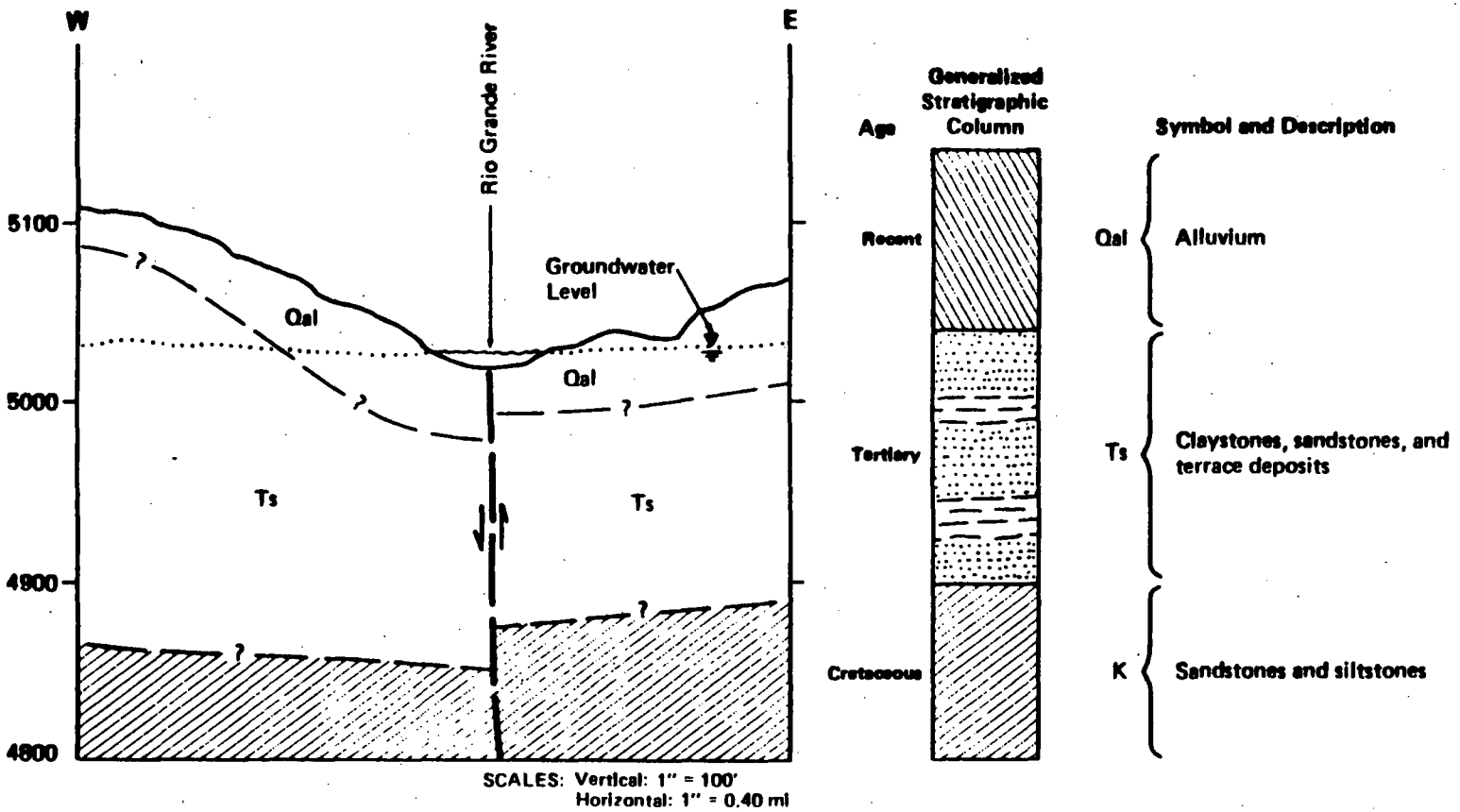

Project No. 90158A	TPC	GENERALIZED GEOLOGIC CROSS SECTION AND DEPTH TO GROUNDWATER NEAR BELEN	Figure 5
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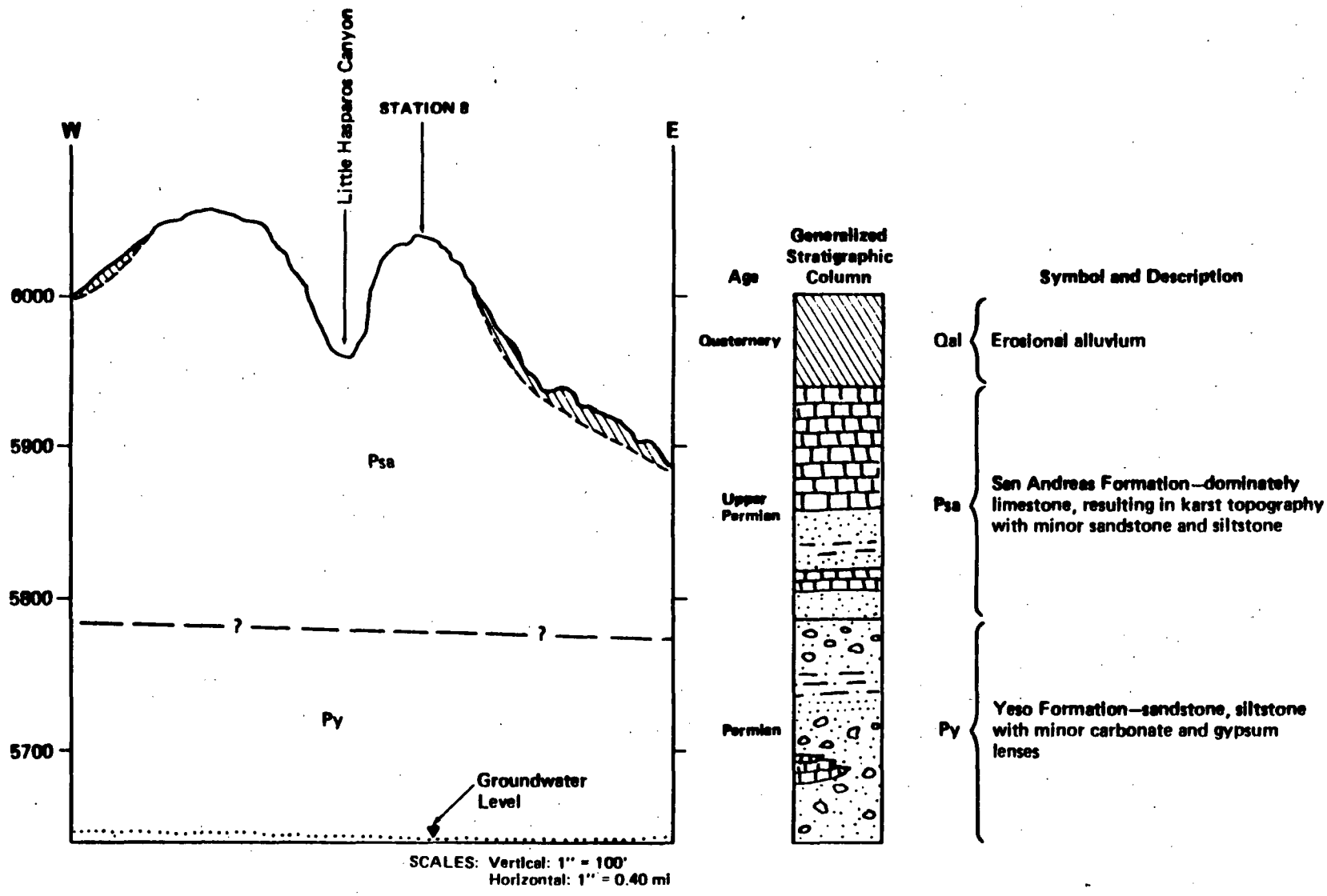

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GENERALIZED GEOLOGIC CROSS SECTION AND DEPTH TO GROUNDWATER IN THE VICINITY OF COMPRESSOR STATION 8

Figure 6

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The climate of the region is typical of high mountainous areas within the continental United States, and typically has long winters and shortened warming seasons. Snow is common and plentiful from mid-October to May and is accompanied by high winter temperatures of 30°F. Prevailing westerly winds of 10 to 20 miles per hour result in wind chill factors below 0°F during winter months. Annual rainfall of 12 inches or more is common. High rates of evaporation and transpiration are associated with peak summer months and extract a lot of moisture from shallow groundwater sources. Local soils support little vegetation, but the surrounding highlands have a large variety of conifers.

The occupations of local inhabitants include cattle and sheep ranching, as well as services associated with coal and gas production and the generation of electricity.

Situated within the eastern portion of the Colorado Plateau physiographic province, the site is boarded by the Zuni Mountains to the south and west, by the San Juan Basin to the north, and by the Ceboletta Mountains to the east. Geologically, the region contains the Upper Triassic Chinle Formation, Jurassic Todilto limestone, Upper Jurassic Thoreau Formation and Morrison Formation, which are capped with Quaternary alluvium. A generalized geologic cross section and stratigraphic column displaying these units is shown in Figure 2. Near the town of Thoreau, Harshbarger, Repenning, and Irwin (1957) identify and interpret the interval of Thoreau Formation as composed of Summerville Formation below and Cow Springs Formation above. The lower part of the Thoreau Formation is composed of alternating, poorly sorted, thin-bedded siltstone and sandstone, and is in gradational contact with the underlying Todilto Limestone (Smith, 1967). The lower beds of the Thoreau Formation grade upward into well-sorted, medium to fine-grained sandstone, and into sets of medium-grained, poorly sorted, cross-bedded sandstone toward the top of the sequence (Smith, 1967). The Morrison Formation rests disconformably on the Thoreau Formation and from base to top is composed of: sandy mudstone,

conglomeritic sandstone, and medium to coarse- grained, poorly sorted quartz sandstone (Smith, 1967). The site specific soil conditions reported by TPC are described as "sandy" and probably represent the weathering of the sandstone bedrock.

The region is transected by numerous north-to-northeast-trending high-angle normal faults and related shear zones. Typically, these structural discontinuities will act as no-flow or limited-flow barriers and may impound the groundwater. These structural features affect the ability of the rocks to contain water, yield water to wells, and largely control the availability, depth, and quality of water in the aquifers.

The principal aquifer westward from Grants to Gallup is the middle sandstone unit of the Triassic Chinle Formation (Cooper & West, 1967). The Chinle Formation underlies the floor of Mitchell Draw between Grants and Gallup, and the middle sandstone unit is a persistant aquifer which supplies nearly all of the groundwater used for stock, domestic, and industrial use (Cooper & West, 1967). According to Cooper and West, pumping rates of as much as 30 gpm are reported in these areas, but rates of 5 to 20 gpm are much more common and probably represent the maximum yield of most wells. Water in this aquifer is under confined conditions as a result of the dip of beds northwestward from the Zuni Mountains to the San Juan Basin. The artesian pressure is not great enough to allow flow upon the ground surface but does allow the water level to rise above the depth at which it is tapped in a well. This unit has its source of recharge in the Zuni Mountains and the direction of flow is down-dip into the San Juan Basin; however, in the valley near Thoreau the water moves southeastward, apparently in response to heavy withdrawals by pumpage in this region (Cooper & West, 1967). The chemical quality of water associated with the middle sandstone member of the Chinle Formation is of good to fair quality, but some is of poor quality (Cooper & West, 1967). According to Cooper & West (1967), the total differences in water quality are caused largely by differences in the clay content of the formation, by

the ion-exchange capabilities within the formation, and by the movement and flushing action in the aquifer resulting from recharge by fresher water.

TPC reports that three water wells are associated with Compressor Station 5, and all are located within the southeast quarter of section 20, Township 14 North, Range 13 West. A summary of these wells is shown below:

Wells	Depth of Well (ft.)	Depth to Water table (ft.)	Water Quality	General Comments
1	746	402	Described by Transwestern Pipeline as "Medium Hard"	
2	1350	311		Different Aquifer
3	735	402		

The principal utilization of groundwater is for public supply, industrial use, and irrigation. All motels, cafes, schools, and service stations are supplied by their own wells.

Shallow, unconfined groundwater sources associated with alluvial and fluvial deposits occur within the valley regions, at depths less than 50 feet. These sources of groundwater are highly dependent upon seasonal fluctuations, and as such are not a continually reliable source of water. The chemical quality of the water in the unconsolidated deposits ranges widely within short distances and varies within short periods of time because the source of recharge are numerous and may contribute water of different quality at different times. No known wells in this shallow groundwater zone were identified.

4.2 COMPRESSOR STATION 6, LAGUNA, NEW MEXICO

TPC Station 6 is located about two miles southwest of Laguna, Valencia County, New Mexico (Figure 1). Interstate Highway 40 and the Achison-Topeka-Santa Fe Railroad exist nearby and are the major transportation routes for the area. The station is bounded by the Ceboletta Mountains to the north, the Rio Grande depression to the east, and more locally numerous mesas. The Rio San Jose is an eastward flowing, effluent river, and is the major drainage basin in the area. The station is located on relatively flat ground at an elevation of 5930 feet.

The climate of the area is characterized by snow fall from October to March and temperatures which may reach the mid 40's (°F). Spring and summer months have temperatures into the 90's (°F) and tend to be quite arid. Prevailing winds from the west with velocities of 5 to 10 miles per hour and annual rainfall estimates of 15 inches are also typical of this area.

The primary occupations of local residents include sheep and cattle ranching, consumer services, and the mining industry. The mining industry in this area is no longer employing the volume of workers it once did. The closest neighbor to Compressor Station 6 is reportedly 3/4 - mile away.

The geology of the region is characterized by rocks that range in age from Pennsylvanian to Recent, but only the rocks that range in age from Late Triassic to Recent yield water to wells in the area (Dinwiddie and Motts, 1964). According to Shomaker (1967), stratified sedimentary sequences that range in age from Pennsylvanian to Cretaceous and Tertiary lava flows dominate the region. This region lies within the southeastern extremity of the Colorado Plateau physiographic province and also within the Laguna Mining District. The major structural feature in the area is McCarty's syncline, which plunges northward beneath the village of McCartys and the Mount Taylor volcanic field (Dinwiddie and Motts, 1964). According to Dinwiddie and Motts (1964) the regional dip of the stratified sedimentary

sequences is north to northwest at low angles (about 2°); however, many minor faults and gentle folds influence the dips locally.

The site specific geology is dominated by Upper Jurassic sedimentary sequences and thick sequences of Quaternary alluvium. The Upper Jurassic sequences are the Todilto Limestone, Summerville Formation, Bluff Sandstone, and Morrison Formation. These units are dominately composed of siltstones, sandstones, claystones, and gypsum, with minor amounts of limestone and shale. A generalized geologic cross section and stratigraphic column in the vicinity of Station 6 is shown in Figure 3.

The alluvium is composed of fluvial and erosional deposits of gravel, sand, silt, and clay. The thickness of the alluvium is as much as 150 feet (Cooper & West, 1967), but the principal geomorphic process controlling the alluvial thickness are cut and fill cycles of the Rio San Jose. According to Cooper & West (1967), the alluvium north of the Rio San Jose contains coarser and better sorted sediments than does the alluvium south of the river, which is finer-grained and poorly sorted. The difference of the alluvium is due to different source materials. the north side of the Rio San Jose obtains material from volcanic and sedimentary sources, while the south side derives material from sandstone and shale. As a result, water wells associated with the low permeability (south side) alluvium yields water to wells much more slowly.

According to Cooper and West (1967), the aquifer which supplies the greatest volume of water to local residents is the unconsolidated alluvium along the Rio San Jose.

The yield of wells that tap the alluvium range from 2 to more than 150 gpm, and the larger-capacity wells obtain water from discontinuous lenses of channel gravel deposits which are interbedded with flood-plain silt deposits (Cooper & West, 1967).

Water in the fine-grained alluvium south of the Rio San Jose is more highly mineralized than water in the coarse-grained alluvium north of the Rio San Jose because the fine-grained alluvium contains a greater proportion of readily soluble minerals (Dinwiddie and Motts, 1964). According to Dinwiddie and Motts (1964), the coefficient of transmissibility of the alluvium ranges from 560 to 130,000 gpd (gallon per day) per foot. The quality of water derived from the alluvial aquifer has concentrations of dissolved solids ranging from 375 to 8,440 ppm (parts per million), concentrations of sulfate from 53 to 4020 ppm, and elevated fluoride, and chloride concentrations (Dinwiddie and Motts, 1964). In general, water in the alluvium north of the Rio San Jose is generally less mineralized than that south of the river.

Transwestern Pipeline Company (TPC) reports only one water well at this station which has a high sedimentation rate and is described as "hard".. As a result, water is imported on a once a week basis in winter, and every other day basis during the summer.

The depth to groundwater is a function of seasonal variations but generally should not exceed 25 feet in the vicinity of Compressor Station 6. No groundwater was encountered during the field activities described in this report. The general direction of groundwater flow is toward the Rio San Jose to the north and northeast.

4.3 COMPRESSOR STATION 7, MOUNTAINAIR, NEW MEXICO

TPC Compressor Station 7 is located southeast of Albuquerque, Torrance County, New Mexico (Figure 1). It is approximately 11 miles from U.S. Highway 60 and 24 miles to the closest town. The region is bounded by the Los Pinos and Monzano Mountains to the west, Estancia Valley to he north, Pederna Hills to the east, and Chupadera Mesa to the south. The site elevation is 6860 feet and is located on rolling hills.

The climate of the area is semiarid. Although extreme temperatures in this area range from -20°F to almost 100°F, the average winter temperature is in the 20's°F, and the average summer temperature range from the high 60's°F to low 70's°F. Snowfall can be expected from late September to May, and annual rainfall estimates of 13+ inches is typical. Wind velocities of 5 to 15 miles per hour are common and in peak winter months result in wind chill factors below 0°F. Annual, potential evaporation rates up to 60 inches are typical of this environment (Smith, 1959).

The principal occupations of local inhabitants are raising livestock and farming. The livestock ranches are engaged in cattle, sheep, and chicken production. Farming products include seedbeans (mostly pinto beans), corn, sorghum, and wheat.

Located within the eastern limits of the Basin and Range physiographic province, the site is east of the Rio Grande Trough and boarders on the Great Plains physiographic province. The geology of the area is dominated by the Permian age Yeso Formation, the Upper Permian San Andreas Formation, and Quaternary alluvium (Smith, 1957). According to Smith (1957) the Permian formations are composed of well-cemented sandstones, limestones, siltstone, and gypsum, while the volcanic rocks are diorite and diabase dikes and sills. A generalized geologic cross section and stratigraphic column are shown on Figure 4. The Yeso Formation crops out in a general east to west band along the escarpment of Chupadera Mesa and is the principal aquifer in this area (Smith, 1957). Under favorable conditions, the Yeso Formation furnishes larger quantities of water from its limestone member, which contains cavities and solution channels (Smith, 1957). Locally, the Yeso Formation is highly fractured and wells associated with these fracture systems significantly produce greater yields. The movement of groundwater beneath Chupadera Mesa is southward and the depth to water may exceed 500 feet (Smith, 1957). Smith (1957) describes the quality of groundwater derived from the Yeso Formation as generally unsatisfactory for domestic use and irrigation, while satisfactory for livestock. The primary

source for degradation of water quality is due to the presence of gypsum interbeds which liberate sulfates, calcium, and chloride elements into the aqueous environment.

The San Andreas Formation is divided into a basal sandstone member, middle limestone member, and upper fine-grained clastic member (Smith, 1957). The basal sandstone member lies conformably on the Yeso Formation and is exposed along the escarpment of Chupadera Mesa. This basal sandstone member of the San Andreas Formation is the principal aquifer over about 130 square miles of Torrance County (Smith, 1957). Movement of groundwater associated with this member is southward and is reported as having variable quality (Smith, 1957). The middle limestone member of the San Andreas Formation forms the surface of Chupadera Mesa and is riddled with numerous solution channels and pits. This limestone member of the San Andreas Formation in Torrance County is every where above the unconfined water level, and no wells are known to derive water from it (Smith, 1957). The upper clastic member of the San Andreas Formation has apparently been eroded from Chupadera Mesa and is only present as collapsed blocks in sink holes (Smith, 1957).

The periphery of Chupadera Mesa is blanketed with erosional debris and local drainages contain a variety of fluvial deposits. This alluvium will act as shallow water bearing and recharge zones during periods of rainfall and snowmelt. Typically, this material is not an important source of potable water and will be greatly influenced by seasonal variations.

Structurally, Chupadera Mesa is a broad, very shallow syncline in which rocks of the Yeso Formation and San Andreas Formation dip very gently to the south east (Smith, 1957). Chupadera Mesa rises up sharply against Estancia Valley to the north. Estancia Valley is a broad, closed structural basin, bounded by fault blocks mountains and contains very thick sequences of valley fill material. The Yeso Formation is the principal aquifer in parts of Estancia Valley (Smith, 1957), however the thick

sequences of alluvial deposits also store large quantities of groundwater. The chemical quality of groundwater derived from Tertiary and Quaternary valley fill differs considerably with locality. In general, as the groundwater moves from the valley periphery toward its center, the mineral content becomes progressively greater (Smith, 1975). Water levels range from at or near the surface, in the central part of the valley, to more than 100 feet below the surface, in the irrigation wells near the west edge of the valley, and to more than 200 feet below the surface in the livestock and domestic wells near the eastern edge (Smith, 1975).

Near the north end of Chupadera Mesa and north of Station 7, an east-west groundwater divide exists separating groundwater moving northward toward Estancia Valley from that moving southward (Smith, 1975). Wells on Chupadera Mesa in Torrance County range in depth from more than 250 feet in the northeast part to 970 feet in the southwestern part, with most wells being deeper than 450 feet (Smith, 1957). According to Smith (1957), chemical analysis of groundwater from wells on Chupadera Mesa indicate that it is suitable for stock, but it is not desirable for domestic use. In general, the water is very hard (> 250 mg/ℓ Ca and Mg) and has elevated levels of sulfate, magnesium, and fluoride (Smith, 1957).

Transwestern Pipeline Company reports two water wells located within Township 1 North, Range 8 East of Section 28 which have depths greater than 600 feet. No depth to water or water quality analysis are known.

4.4 RIO GRANDE RIVER CROSSING NEAR BELEN

Transwestern Pipeline Company's natural gas transmission line crosses the Rio Grande River south of Belen, New Mexico. This area is located within the central portion of the Albuquerque Basin of central New Mexico. The basin proper is bounded by several structural benches to the east and west. The term, Rio Grande trough, is used for the tectonics of the linear depression and includes the main alignment of grabens and adjoining uplifts that are an extension of the Rocky Mountains.

The basin is filled with Quaternary sediments composed of unconsolidated to partially-consolidated claystone and sandstones. These sediments overlie extensive sequences of Cretaceous and Tertiary rock (Kelley, 1977). All of the stratigraphic sections are dissected by numerous north- to-northeast-trending structural discontinuities. A generalized geologic cross-section and stratigraphic column is shown in Figure 5.

The Rio Grande River is flanked by extensive flood plain deposits which attain a width of up to two miles near the town of Belen. Relief on the flood plain is generally no more than 5 to 10 feet, excluding artificial levees and other man-made structures (Kelley, 1977). Associated with the flood-plain deposits are numerous terraces formed along the sides of the Rio Grande.

Average annual precipitation rates of 8 to 12 inches per year and evapotranspiration rates of 60+ inches per year are typical for this area. The average annual temperature for the region is about 55°F, although seasonal variations of 100°F in summer and 30°F in winter are common.

The geology of the region is a critical factor in the occurrence of groundwater, because the type, extent, thickness, and attitude of the rocks determine, to a great extent, the yield and quality of water at a particular site. In addition, structural controls in this area are the principal factor governing groundwater flow. The hydrogeology of the Rio Grande Valley is complex and flow occurs in a system of downfaulted blocks throughout its entire course (Kelley, 1977). A vast quantity of potable water exists in the alluvium of the Rio Grande Valley. Large yields of water are obtained from the alluvium, and beneath the river's flood plain the depth to water is about equivalent to the difference in elevation between the land surface on the slopes and on the flood plain (Kelley, 1977).

According to Kelley, the lowest part of the water table in the vicinity of Belen is not along the river but several miles west of the river. At places along this depression, the depth to water is as much as 50 feet below the river level. The development of groundwater resources adjacent to the river has diminished in flow to the river, and over time may result in the loss of waters from the river to adjacent groundwater reservoirs.

The principal uses of groundwater in this area are for agriculture, light industry, and domestic purposes. The quality of groundwater is generally quite good, although intensive agricultural practices in the Rio Grande Basin have resulted in increased levels of salinity, nitrogen-containing fertilizers, pesticides, and herbacides (Kelley, 1977).

4.5 COMPRESSOR STATION 8, CORONA, NEW MEXICO

TPC Compressor Station 8 is located in a remote portion of Lincoln County, New Mexico (Figure 1). North and northeast of Lincoln National Forest, the site is located on rolling hills supporting sparse vegetation. The site is bounded by the Captain Mountains to the south, the Jicarilla Mountains to the west, and is adjacent to Little Hasparos Canyon. This region is dissected by numerous, annual stream channels which flow to the east.

Located at an elevation of 5800 feet, snowfall is common from October to April. This station is snow-bound several times each year for periods of three to seven days. Wind velocities on the order of 35 miles per hour are common and result in wind chill factors below 0°F. Average annual rainfall estimates of 15 or more inches are typical.

This remote site has its nearest neighbor three miles away, while the next closet neighbor is 15 miles away, and the nearest town is 38 miles away. Interstate Highway 54 is the closest major transportation route and is located approximately 20 miles west of the station.

Situated within the Great Plains physiographic province, the geology of the region is characterized by Permian age sedimentary sequences and Quaternary alluvium (Dane and Bachman, 1965). More specially, Station 8 is underlain by alluvial cover, the San Andreas Formation, and Yeso Formation. The San Andreas Formation is primarily composed of dominately carbonates with subordinate amounts of siltstone, sandstone, and gypsum. The weathering of the carbonates result in karst topography which is very typical of the region. The Yeso Formation is primarily composed of sandstone and siltstone, with minor amounts of carbonate interbeds. A generalized geologic cross section and stratigraphic column is shown in Figure 6. The structural trend of these geologic units is shallow dipping to the east.

TPC reports that two water wells are associated with this station. The original well is located in Township 5 South, Range 15 East, of section 13 and is 424.5 feet deep, with depth to groundwater of 379.5 feet. Very low flow conditions at this well required the installation of a second well. The second well is located approximately three miles from the station and is 150 feet deep.

Water quality of the second well is described by TPC as very hard and requires that vinegar be used when washing laundry and dishes. The amount of calcium, magnesium, and iron contribute to the hardness of the water. The gypseous component of the Yeso Formation will tend to liberate sulphate, chloride, and calcium elements, which tend to degrade water quantity. The solution of calcium carbonate by water causes prevailing hard groundwater to be found in limestone bearing aquifers.

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5.0
SAMPLING RATIONALE

The locations selected for sampling were based on examination of facility plans, waste streams occurring at each facility and evaluation of historical practices as provided during interviews with company personnel. In general, areas identified as subject to possible PCB contamination included:

1) Compressor/Measurement Stations

   a) spillage of pipeline fluids in the general area of the pig receivers.
   b) residual surface and subsurface contamination around the impoundments historically used for pipeline condensate
   c) general area around demisters and blowdowns
   d) residual and subsurface contamination associated with engine room/wash down impoundments (on the assumption that they may have received pipeline fluids at some time)
   e) station landfills (on the assumption that they may have historically received contaminated fluids)
   f) general drainages below operational areas (on the assumption that they may represent migration pathways for contaminants from minor leaks and spills from operational areas)

2) Remote Pig Receivers

a) general pig handling areas
b) general drainages below operational areas

Radial or rectangular sampling grids were used for features where shallow area-wide contamination, such as pig receivers, demisters or blowdowns, was expected. Use of such patterns with a field testing procedure to estimate PCB concentrations allowed expansion or contraction of the size of the area sampled as needed to define the extent of contamination.

The potential for deeper contamination was expected with impoundments and landfills. These sites were examined by collecting soil samples taken by boring at cardinal points around the impoundment and, where possible, through the center of each. Samples were collected at vertical intervals until field tests showed PCB levels below detection or action levels.

Additional shallow soil samples were collected from drainages, drum storage areas or stained areas at the discretion of the field sampling team, as indicated by field laboratory results.

6.0
HEALTH AND SAFETY

A Health and Safety (H&S) Plan was developed by WCC after assessment of potential hazards at Transwestern Pipeline Company's New Mexico facilities. The plan was developed to protect field personnel from potential health problems, with problems split into two categories.

The first category included immediate health hazards such as heat stress, poisonous animals (rattlesnakes, gila monsters and tarantulas), and lightning. Various methods for monitoring heat stress were used and included monitoring ambient air and body temperatures, monitoring body weight, monitoring fluid intake and out take. Heat stress was not a problem at any of the sites. Poisonous animals were not encountered at any of the sites.

The second category included the potential exposure to polychlorinated biphenyls (PCB). There are specific guidelines that are followed to keep PCB exposure from at a minimum. The H&S Plan required the level of protection at EPA Level D with an EPA Level C contingency. An H&S meeting was held at the start of each field operation. During the meeting each person working on site was required to read the H&S Plan and any questions were answered. All sampling personnel were required to participate in a medical monitoring program. A copy of the H&S plan is attached as Appendix A.

7.0
SAMPLING PROCEDURES

7.1 SURFACE SOIL SAMPLES

The surface samples were taken in two phases. In the first phase, surface soil samples were taken at the four compressor stations and the Belen maintenance station, the Rio Grande Crossing and the Belen Blowdown. The samples were taken to identify areas where PCB contamination exists (if any). All samples collected during the first phase were analyzed with the field test kit only. The samples were collected according to the procedures as directed by the field test kit in sample jars provided by the kit. The results of the field test kit were used to define areas of PCB contamination for the second phase of the environmental assessment program which included commercial laboratory verification of the field results of both the surface and subsurface samples. It was hoped that a correlation could be drawn from the results of the field test kit and the results of the verification laboratory. If a correlation was made, the field test kit would be used as an aid to direct cleanup operations. After the cleanup was completed, samples would be taken and sent to a commercial laboratory to determine if the site was clean according to the levels set by federal, state and local agencies.

During the second phase of the exploration program, samples were collected according to the surface soil sampling procedure was based on EPA surface soil techniques as outlined in EPA document number EPA-560/5-85-026. Each surface soil sample collected had a surface area of approximately 100 cm^2 and was scraped to a depth of one centimeter with a sterilized tongue

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depressor or a sterilized stainless steel spatula. If an additional sample was required, the procedure was repeated at an immediately-adjacent site. The representative surface soil sample was placed in a laboratory sterilized jar fitted with a Teflon-lined lid. The jars contained a minimum of 6 ounces of soil and were labeled with the following information: sample identification number, date and time collected. The sample number, location, physical description, date and time collected were logged in the field notes.

7.2 SUBSURFACE SOIL SAMPLES

Subsurface soil samples were collected by using a truck-mounted Mobile Drill model B-57 equipped with eight-inch diameter hollow stem augers. Field analytical results from these samples were used to establish the depth of penetration of the PCB contamination and the depths to be sampled.

Before any borings were started, the area around each boring was lined with visqueen to prevent surface soil contamination from the drill cuttings (if contaminated). The drilling equipment was decontaminated (Section 7.4) before each boring was started to prevent cross contamination.

Subsurface soil samples were obtained with a split spoon sampler in each of the borings. To collect each soil sample, the auger was advanced to the desired depth, the drilling assembly was removed from the augers and the sampler and connecting rod was lowered through the center of the hollow stem auger. The sampling assembly was driven 18 inches into the soil with a 140-pound hammer having a free fall of 30 inches. The number of blows required to advance the sampler every six inches was counted and recorded for each sample in order to estimate the hardness or density of the soil.

After being driven into the soil the prescribed distance, the sampler was pulled, opened and the soil was removed from the sampler. The soil was examined and identified according to the Unified Soil Classification

System, and any unusual soil qualities were logged in the field notes. After each sample was logged, the sample was placed in a laboratory sterilized glass jar and labeled with the following information: sample identification number, date and time sampled. After each sample was classified, field analyses were conducted sequentially with depth.

After each boring was completed, the hole was sealed with a 50/50 mixture of bentonite and cuttings. The upper two feet of each boring was sealed using pure bentonite. Surplus contaminated cuttings were drummed for disposal or disposed of onsite depending on their level of contamination. Boring logs are shown on Appendix C.

7.3 SAMPLE NOMENCLATURE/DESCRIPTION

7.3.1 Surface Soil Samples (grabs)

Nomenclature for surface samples were as follows:

Thoreau Compressor Station	6000-6999
Laguna Compressor Station	7000-7999
Mountainair Compressor Station	8000-8999
Corona Compressor Station	9000-9999

Remote Locations:

Rio Grande Crossing	10000-10999
Belen Maintenance Station	11000-11999
Belen Blowdown	12000-12999
Grant's Pig Receiver	13000-13999
Corona Loop Receiver	(Inc. Corona)

As each sample (and/or split) was taken, it was labeled with a sequential sample number. For example, at the Mountainair station, the first sample

was labeled 8000. At the time each sample was taken, the sample number was affixed to the sample container, and a physical description of the sample according to the Unified Soil Classification System (USC) and its location was entered in the field log and on the site plan. A new log sheet was used for each location. Chain-of-custody forms were prepared as the samples were collected.

7.3.2 Subsurface Soil Samples

Jars containing boring samples were marked with a site location number and the sample depth. Samples collected at each boring location were given a "B" series designation. The following sample nomenclature was used:

Thoreau Compressor Station	B6000-B6999
Laguna Compressor Station	B7000-B7999
Mountainair Compressor Station	B8000-B8999
Corona Compressor Station	B9000-B9999

For example, a sample collected at a depth of 25 feet below ground surface in the first boring at Laguna was marked B7000-25. Boring sample number and descriptions were entered on the boring log form and locations on the site plan map.

7.4 EQUIPMENT DECONTAMINATION

Analytical equipment used by the field laboratory during screening operations were sterilized using the following procedures:

1. Each of the instruments was washed in a phosphate-free soap solution of Alconox and water.

2. The instruments were triple-rinsed in tap water.

3. The instruments were rinsed in distilled water.

4. The instruments were dried before using.

To minimize the potential for cross contamination between each sample, tongue depressors used for surface soil sampling were disposed of after each sample was taken. All other sampling equipment was decontaminated using the following procedures. Large sampling equipment, including the drill rig and augers, was cleaned using a steam cleaner. The individual sampling devices were cleaned before each sample was taken as previously described. All large equipment decontamination was conducted at the pig receiver containment, and cleaning fluids collected in the containment were pumped to the 500-barrel aboveground condensate tank for later disposal.

Worn protective suits, gloves, boots, respirator canisters, tongue depressors, rags, lab waste, etc., were placed in labeled 55-gallon drums for later disposal.

7.5 DUPLICATE SAMPLES

Approximately ten percent of the total samples taken were duplicate and/or split samples. Duplicate and/or split samples were sent along with the other samples. The results of the duplicate/split samples were used to check the reproducibility, accuracy and the repeatability of the lab's quality assurance/quality control program (QA/QC) (Appendix B).

7.6 SAMPLE SHIPMENT

All samples were stored in plastic ice chests out of direct sunlight pending field screening and selection of those samples which were sent to the analytical laboratory in Santa Fe, New Mexico. Shipment to the analytical laboratory occured at the completion of the sampling at each station. Delivery of the samples was made by WCC personnel.

8.0
ANALYTICAL PROCEDURES

8.1 FIELD ANALYTICAL PROCEDURES

Field screening analyses were conducted to expedite site characterization sampling and to minimize the requirements for laboratory confirmation sampling. The McGraw-Edison PCB field test kit was used for screening purposes.

Soil samples received from the field were logged into the field laboratory. Wet or damp samples were dried using heat lamps.

Five grams of the soil sample were placed into a 25 ml VOA bottle. Five ml of "SOIL EXT" (reagent provided by McGraw-Edison) was added to the vial, and then the vial was shaken for 30 seconds. The solution was allowed to clear, and 1 ml of soil extract solution was transferred to another 25 ml VOA bottle. Five ml of "Extract" was added to the vial and shaken for 20 seconds. The phases were allowed to separate. The probe was introduced into the lower layer and the reading taken in mV. The mV readings were converted to ppm of PCB (1242) using calibration curves provided by McGraw-Edison.

8.2 VERIFICATION ANALYSIS

All samples selected for verification of the field results were sent to Controls for Environmental Pollution located in Santa Fe, New Mexico. The verification laboratory followed a modified method 8080 as described in

SW-846. The laboratory followed standard QA/QC (Appendix B) to ensure reliable results.

8.3 McGRAW-EDISON TEST KIT PERFORMANCE

Assessment and cleanup of PCB contaminated soils includes a requirement for rapid field estimation of contaminant loadings. This requirement becomes particularly critical during the implementation of cleanup when real-time data analysis is needed to direct the operation. In addition, access to a rapid field technique can present a cost saving by reducing analytical laboratory requirements to confirmation testing only. Several simple techniques have been developed by the electric power industry to determine concentrations of PCB's in transformer oils. These tests have been modified to permit analysis of PCB-contaminated soils, and used with considerable success. One of these procedures has been marketed by McGraw-Edison in the form of a field portable test kit. At the beginning of this study it was agreed to acquire and test the performance of the McGraw-Edison equipment with the objectives of reducing overall analytical costs and expediting field activities. This analysis describes the performance of the test kit.

The McGraw-Edison test kit was originally designed to be used for the field analysis of oil and soil samples containing PCB-contaminated dielectric fluids. It provides rapid and economic estimates for the approximate range of 10 to 2000 ppm AROCLOR 1242, the dominant PCB species in the material under consideration. Use of the kit was undertaken with the knowledge that the carrier fluids under question include natural gas condensate and small quantities of lubricating oils and solvents, and that some of these materials could interfere with the test.

The McGraw-Edison procedure is nonspecific for PCB's and relies on the determination of total chloride in the sample to be analyzed. As such, a positive response may result from the presence of iso-octane soluble

chlorinated materials other than PCB's. Interfering materials may occur in the form of additives to lubricating oils and chlorinated solvents. Interferences of this type should result only in false positive PCB readings, therefore, their existence does not automatically preclude the use of the technique for screening and other field applications.

The performance of the test kit on this project was assessed by comparison of test kit results with commercial laboratory results on selected sample splits using gas chromatography. A total of 911 samples were analyzed using the test kit. Splits from 376 of these samples were sent to the laboratory for analysis. In both cases, the observed results are generally less than theoretical expectations, and yielded a significant number of false positive and negative readings.

In accordance with the manufacturers recommendations, and in consideration of the unavoidable heterogeneous nature of soil sample splits, the data were also compared by grouping data in ranges rather than comparing absolute values. The ranges evaluated were <50 ppm, 50 to 500 ppm, and >500 ppm. Confirmation of test kit derived ranges with laboratory derived ranges was achieved in 259 out of 376 cases (69 percent). In terms of absolute values, the test kit produced 15 false positive and 188 false negative readings. Most of the false readings were outside of the stated performance envelope of the instrument (10-2000 ppm). In terms of ranges, the kit produced 24 false positive and 74 false negative readings.

A significant amount of the conflicting data was related to analysis performed at location 9000. These analyses were performed by a different operator using the same equipment and procedures. Clearly, operator proficiency could be a contributing factor, although it is unclear how this factor would result in the false negative readings observed. If the location 9000 data is not considered, 203 of the 266 remaining data pairs (90%) are comparable in terms of concentrations range.

Repeatibility

A brief test of test kit repeatibility was conducted. A total of 28 test kit duplicate analyses were performed. Twenty-three pairs consisted of repeat measurements of the extract solution. Five data pairs were the result of independent analysis of splits of the same sample. The average standard deviation for extract reruns was 16.2 percent of the mean values. The percent average standard deviation from the mean was about the same for the location 9000 data as for the group of all other locations. The average standard deviation for all sample splits was 14.8 percent of the mean values. Fifty percent of the replicates (both types) from all sites had standard deviations that exceeded 10 percent of the mean test kit values, and 29 percent were greater than 25 percent.

Laboratory gas chromatography conformations were performed on splits of the sample pairs. Twenty-five percent of the laboratory values were within the standard deviation of the mean test kit value. In terms of concentration ranges, 38 percent of the laboratory values agreed with the mean test kit values.

Conclusion

In general, the McGraw-Edison test kit did not demonstrate acceptable accuracy and repeatibility under the experimental conditions. Particular concern is given to the generation of false negative readings. The exact causes of the poor performance are uncertain. They are believed to include chemical interferences (the PCB carrier medium is complex and may contain various interfering chlorinated hydrocarbon and/or other materials), extreme sample heterogeneity (which prevents accurate sample splitting), high sample moisture content, and operator error-in order of descending importance.

While it is possible that test kit performance could be improved through sample pretreatment (cleaning) and development of more stringent analytical protocols, it is doubtful that an acceptably high degree of precision is achievable. Regardless of precision, use of the method will always require laboratory confirmation. It is recommended that an alternate form of field analysis be investigated for field use.

1200378

9.0
ANALYTICAL RESULTS

9.1 INTRODUCTION

All samples collected were tested in the field for the presence of PCB's using a McGraw-Edison field test kit. Results of the field analysis were used to guide the sampling effort and select samples for laboratory confirmation testing. The following discussion summarizes the results of the analytical program. Due to concerns over the reliability of the McGraw-Edison procedure, results are discussed only in terms of laboratory generated data.

With the exception of the Corona compressor station, all of the sites investigated in EPA Region 6 exhibited relatively low levels of PCB contamination. Sites investigated included compressor stations located near Corona, Mountainair, Laguna, and Thoreau, New Mexico, and remote pig receiver stations located near Grants, Belen (Rio Grande River Crossing), and Corona. The Belen Maintenance Station and a nearby blowdown were also sampled.

The confirmation laboratory, Controls for Environmental Pollution (CEP), was requested to develop a Quality Assurance/Quality Control program to determine the reproducibility and consistency of their reported results. CEP's QA/QC program is included in Appendix B.

9.2 COMPRESSOR STATION 5, THOREAU, NEW MEXICO.

Samples were collected in the following areas: near the engine room waste impoundment, the pig receiver, the demister, the condensate impoundment and the blowdown. The field analytical and the laboratory results are shown on Tables 2 and 3. The surface sample and boring locations are shown on Plate 1.

Surface samples with concentrations exceeding 25 mg/kg were found in the area of the pig receiver and the condensate impoundment. The highest measured PCB concentration (890 mg/kg) was found northwest of the condensate impoundments. Plate 1 outlines estimated surface areas of PCB contamination exceeding 25 mg/kg.

Subsurface samples were taken near the engine room waste impoundment, the condensate impoundment, and in a low area south of the compressor station where water runoff collects. Four borings were advanced around the engine room waste impoundment to determine the extent of the contamination around the impoundment (Figure 7). None of the samples obtained from the borings and sent to the analytical laboratory exceed 5 mg/kg PCB. Five borings were placed around the condensate impoundment (Figure 8). Subsurface samples with PCB concentrations exceeding 25 mg/kg were found in the upper ten feet of Borings B6002 and B6004. The highest level was found in B6004 with a concentration of 110 mg/kg. Another boring was advanced in the area south of the compressor station (Figure 9). None of the samples taken in the boring had detectable PCB concentrations.

The volume of PCB contaminated soil at the Thoreau Compressor Station is estimated to be 8,000 cubic yards.

Table 2. PCB CONCENTRATION, SURFACE SAMPLES THOREAU COMPRESSOR STATION (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
6000	34	N/A	
6001	40	N/A	
6002	28	N/A	
6003	56	N/A	
6004	29	N/A	
6005	23	N/A	
6006	24	N/A	
6007	0	N/A	
6008	0	N/A	
6009	18	N/A	
6010	0	N/A	
6011	22	N/A	
6012	132	N/A	
6013	24	N/A	
6014	0	N/A	
6015	22	N/A	
6016	25	N/A	
6017	0	N/A	
6018	17	N/A	
6019	31	N/A	
6020	40	N/A	
6021	0	N/A	
6022	0	N/A	
6023	0	N/A	
6024	0	N/A	
6025	20	N/A	
6026	0	N/A	
6027	0	N/A	
6028	0	N/A	
6029	0	N/A	
6030	0	N/A	
6031	0	N/A	
6032	64	N/A	
6033	90	N/A	
6034	572	N/A	
6035	196	N/A	
6036	0	N/A	
6037	0	N/A	
6038	0	N/A	
6039	0	N/A	

Table 2. PCB CONCENTRATION, SURFACE SAMPLES THOREAU COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
6040	0	N/A	
6041	106	N/A	
6042	17	N/A	
6043	56	N/A	
6044	56	N/A	
6045	484	N/A	
6046	29	N/A	
6047	70	N/A	
6048	1,196	N/A	
6049	188	N/A	
6050	860	N/A	
6051	40	N/A	
6052	224	N/A	
6053	1,528	N/A	
6054	284	N/A	
6055	702	N/A	
6056	162	N/A	
6057	42	N/A	
6058	40	N/A	
6059	17	N/A	
6060	0	N/A	
6061	0	N/A	
6062	0	N/A	
6063	16	N/A	
6064	0	N/A	
6065	0	N/A	
6066	0	N/A	
6067	0	N/A	
6068	0	N/A	
6069	0	N/A	
6070	21	N/A	
6071	0	N/A	
6072	0	N/A	
6073	17	N/A	
6074	0	N/A	
6075	0	N/A	
6076	0	N/A	
6077	0	N/A	
6078	0	N/A	
6079	0	N/A	

Table 2. PCB CONCENTRATION, SURFACE SAMPLES THOREAU COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
6080	0	N/A	
6081	0	N/A	
6082	0	N/A	
6083	0	N/A	
6084	0	N/A	
6085	24	N/A	
6086	0	N/A	
6087	0	N/A	
6088	18	N/A	
6089	0	N/A	
6090	0	N/A	
6091	16	N/A	
6092	0	N/A	
6093	0	N/A	
6094	0	N/A	
6095	0	N/A	
6096	30	N/A	
6097	0	N/A	
6098	26	N/A	
6099	23	N/A	
6100	12	N/A	
6101	18	N/A	
6102	13	N/A	
6103	0	3.2	
6104	0	2.6	
6105	0	2.4	
6106	0	2.2	
6107	29	2.5	
6108	0	2.67	
6109	16	3.0	
6110	0	3.5	
6111	45	<0.020	
6112	19	<0.020	
6113	0	0.475	
6114	0	3.7	
6115	0	<0.020	
6116	0	<0.020	
6117	0	<0.020	
6118	674	890	
6119	506	593	
6120	160	21	

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Table 2. PCB CONCENTRATION, SURFACE SAMPLES THOREAU COMPRESSOR STATION (mg/kg) (concluded)

Sample Identification	Field Test Results	Analytical Results	Comments
6121	32	33.5	
6122	87	83	
6123	214	97.5	
6124	31	390	
6125	322	227	
6126	58	30.3	
6127	0	5.68	
6128	68	83.1	
6129	80	51.6	
6130	22	7.7	
6131	22	5.0	
6132	22	5.9	
6133	27	30	
6134	22	14	
6135	23	14.5	
6136	0	2.21	
6137	22	4.9	
6138	87	6.08	
6139	0	4.7	
6140	18	7.55	
6141	0	0.573	
6142	0	3.2	
6143	28	68.5	
6144	762	72	
6145	13	795	
6146	0	<0.020	
6147	45	3.08	oil
6148	0	<0.25	oil
6149	155	<0.25	oil
6150	6,213	<0.25	oil
6151	506	<0.25	oil
6152	N/A	589	duplicate 6119
6153	N/A	17	duplicate 6138
6154	N/A	<0.020	duplicate 6103
6155	N/A	0.47	grant's crossing
6156	N/A	2.19	grant's crossing

N/A = Not Analyzed

1200385

Table 3. PCB CONCENTRATION, BORING SAMPLES THOREAU COMPRESSOR STATION (mg/kg)

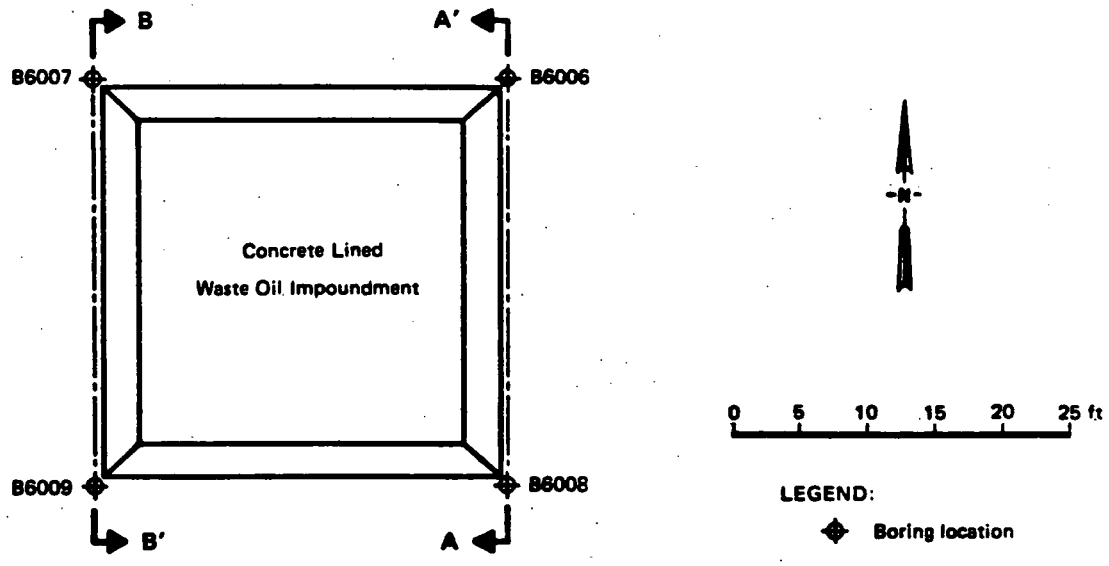
Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B6000	-5	0	<0.356	
	-10	0	N/A	
	-15	0	0.478	
	-20	0	0.505	
B6001	-4	0	1.46	
	-9	0	N/A	
	-14	0	0.8	
	-19	0	0.45	
B6002	-2	43	67	
	-3.5	58	81	
	-5	29	48	
	-6.5	0	N/A	
	-8	0	1.19	
	-9.5	0	N/A	
	-15	0	0.283	
B6003	-5	0	0.45	
	-8	0	0.39	
	-13	0	0.06	
B6004	-2	0	N/A	
	-3.5	0	110	
	-5	0	N/A	
	-6.5	0	0.066	
	-8	0	0.412	
	-13	0	N/A	
B6005	-2	16	<0.020	
	-3.5	58	<0.020	
	-5	29	N/A	
	-6.5	0	<0.020	
	-10	0	<0.020	
	-15	0	<0.020	
	-16.5	0	<0.020	
	-20	0	<0.020	

N/A = Not Analyzed

Table 3. PCB CONCENTRATION, BORING SAMPLES THOREAU COMPRESSOR STATION (mg/kg) (concluded)

Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B6002	-3	0	N/A	
	-3.5	22	0.6	
	-4.5	0	<0.2	
	-6.5	0	<0.2	
	-8	20	N/A	
	-9.5	0	<0.2	
	-11	0	<0.2	
	-15	0	0.64	
B6007	-4	0	0.37	
	-8	0	2.65	
	-12	0	0.615	
B6008	-5	0	N/A	
	-6.5	0	0.70	
	-8	0	0.404	
	-9.5	0	N/A	
	-13	0	0.35	
B6009	-4	0	0.94	
	-8	0	1.92	
	-10	0	<0.020	
B6010	-05	N/A	22	Duplicate B6002-5
	-10	N/A	11.25	Duplicate B6002-3.5

N/A = Not Analyzed



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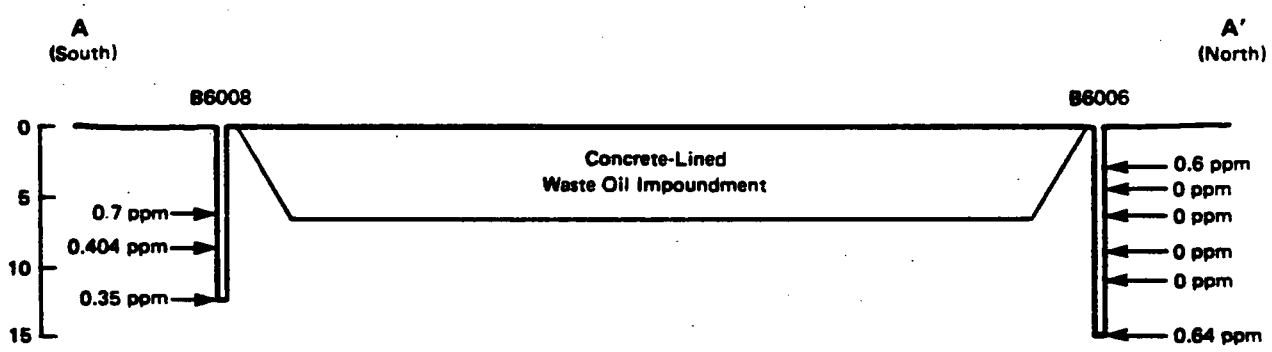
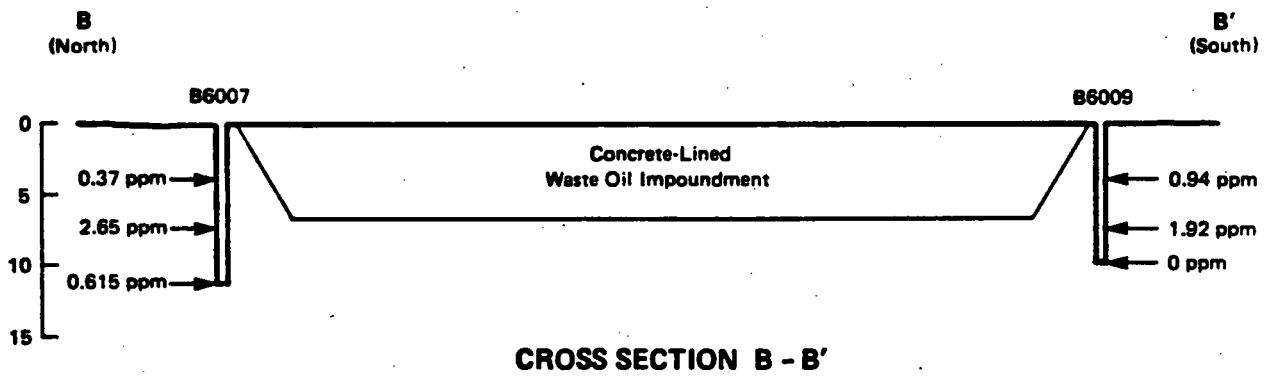


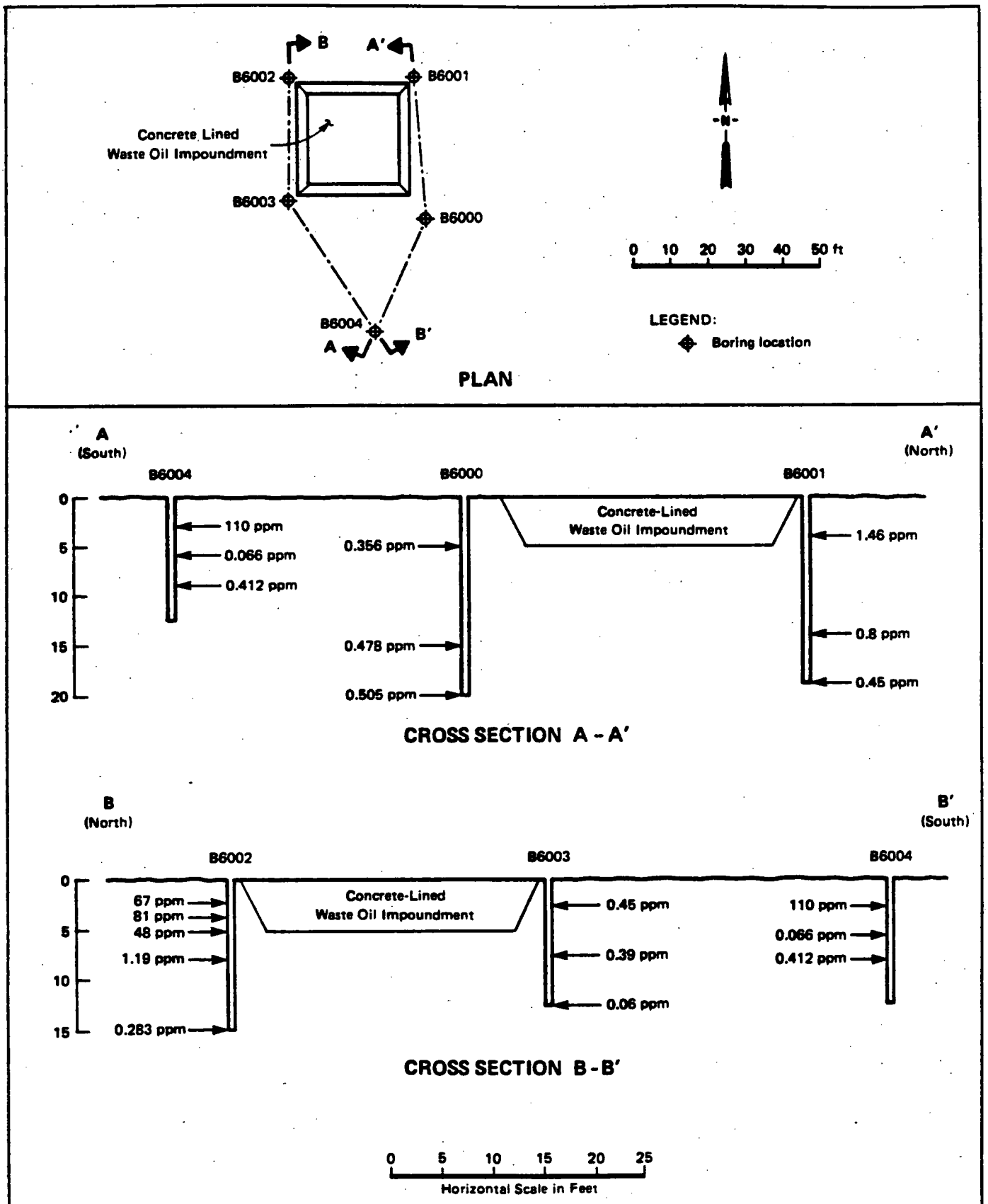
CROSS SECTION A - A'



CROSS SECTION B - B'

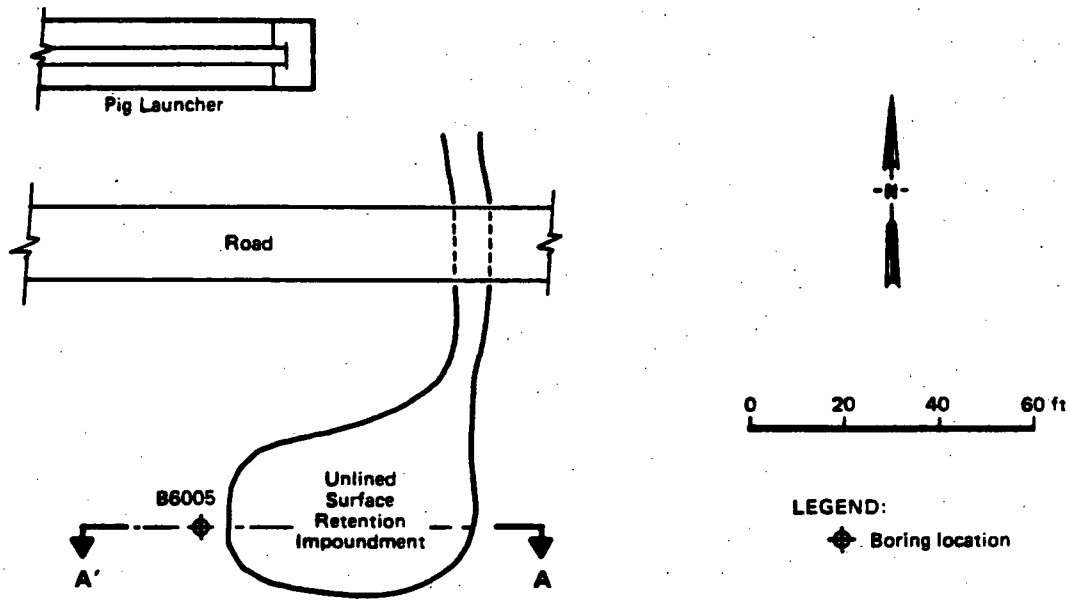
Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 5 - THOREAU	Figure 7
Woodward-Clyde Consultants			

1200388



Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 5 - THOREAU	Figure 8
Woodward-Clyde Consultants			

1200389



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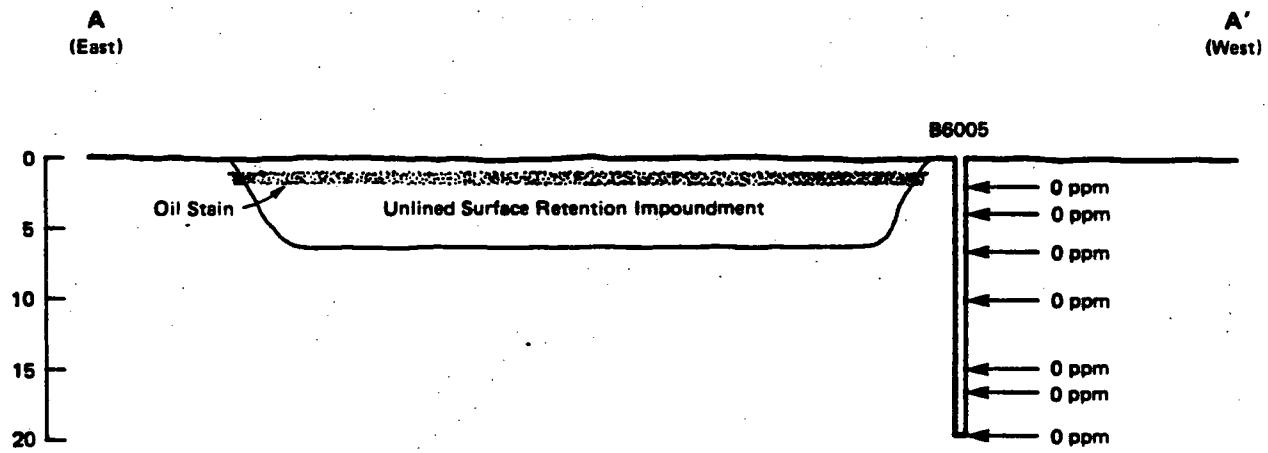

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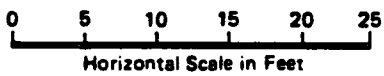


Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 5 - THOREAU	Figure 9
Woodward-Clyde Consultants			

1200300

9.3 COMPRESSOR STATION 6, LAGUNA, NEW MEXICO.

Samples were taken in the following locations: the pig receiver area; near the demister; in the vicinity of the former condensate impoundment; the buried landfill; and in an area believed to be used as a leach field west of the compressor station. The field analytical results and the commercial laboratory results of the surface soil samples and the subsurface soil samples are shown on Tables 4 and 5. Sample locations are shown on Plate 2.

Areas with surface soil concentrations of PCB greater than 25 mg/kg were found in the following areas: the pig receiver area, in the vicinity of the former condensate impoundment, the leach field and near the demister. The highest measured surface concentration was taken in an area north of the former condensate impoundment with a concentration of 200 mg/kg. The extent of PCB contamination greater than 25 mg/kg is shown on Plate 2.

Subsurface soil samples were taken in the areas of the buried landfill and the former condensate impoundment. Five borings were placed in the area of the landfill to characterize the subsurface contamination (Figure 10). PCB concentrations for the samples taken near the landfill were all below 5 mg/kg. Five borings were placed around the former condensate impoundment (Figure 11). Subsurface soil samples collected near the impoundment were found to be below 25 mg/kg except for one sample taken at the bottom of B7000. The sample was taken at the soil-bedrock interface.

The volume estimate of PCB contaminated material exceeding 25 mg/kg at the Laguna Compressor Station is 2,500 cubic yards.

9.4 COMPRESSOR STATION 7, MOUNTAINAIR

Samples were collected from the areas surrounding the pig receiver, the condensate impoundments, the demister and blowdown, the engine room

Table 4. PCB CONCENTRATION, SURFACE SAMPLES LAGUNA COMPRESSOR STATION (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
7000	262	N/A	
7001	2,404	N/A	
7002	0	N/A	
7003	25	N/A	
7004	28	N/A	
7005	12	N/A	
7006	12	N/A	
7007	118	N/A	
7008	15	N/A	
7009	106	N/A	
7010	14	N/A	
7011	70	N/A	
7012	188	N/A	
7013	12	N/A	
7014	100	N/A	
7015	15	N/A	
7016	17	N/A	
7017	12	N/A	
7018	19	N/A	
7019	13	N/A	
7020	898	N/A	
7021	12	N/A	
7022	14	N/A	
7023	11	N/A	
7024	11	N/A	
7025	11	N/A	
7026	11	N/A	
7027	12	N/A	
7028	14	N/A	
7029	21	N/A	
7030	15	N/A	
7031	11	N/A	
7032	13	N/A	
7033	12	N/A	
7034	12	N/A	
7035	14	N/A	
7036	15	N/A	
7037	12	N/A	
7038	13	N/A	
7039	13	N/A	
7040	14	N/A	

1200392

Table 4. PCB CONCENTRATION, SURFACE SAMPLES LAGUNA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
7041	13	N/A	
7042	11	N/A	
7043	12	N/A	
7044	12	N/A	
7045	13	N/A	
7046	11	N/A	
7047	12	N/A	
7048	13	N/A	
7049	13	N/A	
7050	13	N/A	
7051	13	N/A	
7052	12	N/A	
7053	11	N/A	
7054	0	N/A	
7055	0	N/A	
7056	0	N/A	
7057	0	N/A	
7058	0	N/A	
7059	0	N/A	
7060	0	N/A	
6061	0	N/A	
7062	0	N/A	
7063	0	N/A	
7064	0	N/A	
7065	46	N/A	
7066	0	N/A	
7067	0	N/A	
7068	0	N/A	
7069	0	N/A	
7070	0	N/A	
7071	0	N/A	
7072	12	N/A	
7073	106	N/A	
7074	17	N/A	
7075	52	N/A	
7076	12	N/A	
7077	0	N/A	
7078	0	N/A	
7079	0	N/A	
7080	54	N/A	
7081	174	N/A	

1200393

Table 4. PCB CONCENTRATION, SURFACE SAMPLES LAGUNA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
7082	68	N/A	
7083	29	N/A	
7084	46	N/A	
7085	180	N/A	
7086	0	N/A	
7087	11	N/A	
7088	11	N/A	
7089	12	N/A	
7090	0	N/A	
7091	0	N/A	
7092	11	N/A	
7093	12	N/A	
7094	18	N/A	
7095	50	N/A	
7096	174	N/A	
7097	80	N/A	
7098	0	N/A	
7099	0	N/A	
7100	64	N/A	
7101	132	N/A	
7102	12	N/A	
7103	11	N/A	
7104	36	N/A	
7105	0	N/A	
7106	0	N/A	
7107	0	N/A	
7108	38	N/A	
7109	29	N/A	
7110	21	N/A	
7111	22	N/A	
7112	12	N/A	
7113	11	N/A	
7114	0	N/A	
7115	0	N/A	
7116	12	N/A	
7117	40	N/A	
7118	0	N/A	
7119	12,000	N/A	
7120	54	N/A	
7121	13	N/A	
7122	12	N/A	

1200394

Table 4. PCB CONCENTRATION, SURFACE SAMPLES LAGUNA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
7123	26	N/A	
7124	17	N/A	
7125	72	N/A	
7126	80	N/A	
7127	60	N/A	
7128	76	N/A	
7129	0	N/A	
7130	0	N/A	
7131	11	N/A	
7132	0	N/A	
7133	0	N/A	
7134	20	N/A	
7135	13	N/A	
7136	11	N/A	
7137	0	N/A	
7138	12	N/A	
7139	0	N/A	
7140	0	N/A	
7141	0	N/A	
7142	0	N/A	
7143	99	<0.25	oil
7144	45	<0.25	oil
7145	0	36	
7146	0	32	
7147	37	18	
7148	35	35.3	
7149	43	46	
7150	214	20	
7151	20	15.6	
7152	12,897	1,510	
7153	28	<0.020	
7154	34	13	
7155	18	9.9	
7156	40	30	
7157	0	1.0	
7158	17	1.71	
7159	223	200	
7160	20	5.7	
7161	0	1.0	
7162	0	8.7	
7163	18	6.4	

1200395

Table 4. PCB CONCENTRATION, SURFACE SAMPLES LAGUNA COMPRESSOR STATION (mg/kg) (concluded)

Sample Identification	Field Test Results	Analytical Results	Comments
7164	0	1.17	
7165	18	7.5	
7166	45	49	
7167	35	8.1	
7168	0	0.5	
7169	0	0.96	
7170	0	1.525	
7171	0	1.35	
7172	20	20	
7173	55	52	
7174	31	17.75	
7175	45	27	
7176	0	6.9	
7177	0	6.5	
7178	0	6.35	
7179	0	1.284	
7180	26	0.51	
7181	23	13	
7182	51	15	
7183	0	18	
7184	17	<0.020	
7185	0	0.5	
7186	0	1.65	
7187	0	15.5	
7188	0	13.4	
7189	0	21	
7190	0	22	
7191	0	8.07	
7192	0	1.8	
7193	0	4.77	
7194	N/A	35	duplicate 7145
7195	N/A	25	duplicate 7161
7196	N/A	3.8	duplicate 7176
7197	N/A	9.1	duplicate 7192

N/A = Not Analyzed

1200396

Table 5. PCB CONCENTRATION, BORING SAMPLES LAGUNA COMPRESSOR STATION (mg/kg)

Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B7000	-5	0	0.14	
	-GR	0	43.5	
B7001	-7	0	N/A	
	-8.5	0	1.8	
	-GR	0	N/A	
B7002	-5	22	16.4	
	-6.5	0	13.18	
	-8	4,092	19.5	
	-9.5	2,400	20.6	
	-10	23	7.5	
	-15	N/A	6.5	Duplicate B7002 - 6.5
B7003	-5	0	N/A	
	-6.5	0	1.21	
	-7.5	0	N/A	
	-10	0	0.4	
B7004	-5	0	0.42	
	-6.5	0	N/A	
	-8	0	2.7	
B7005	-5	0	N/A	
	-8	0	3.6	
	-9	0	N/A	
	-10	0	<0.020	
B7006	-5	0	1.97	
	-8.5	0	2.02	
	-10A	0	N/A	
	-10B	0	N/A	
	-10C	0	2.54	
B7007	-5	0	3.28	
	-6.5	0	4.8	

N/A = Not Analyzed

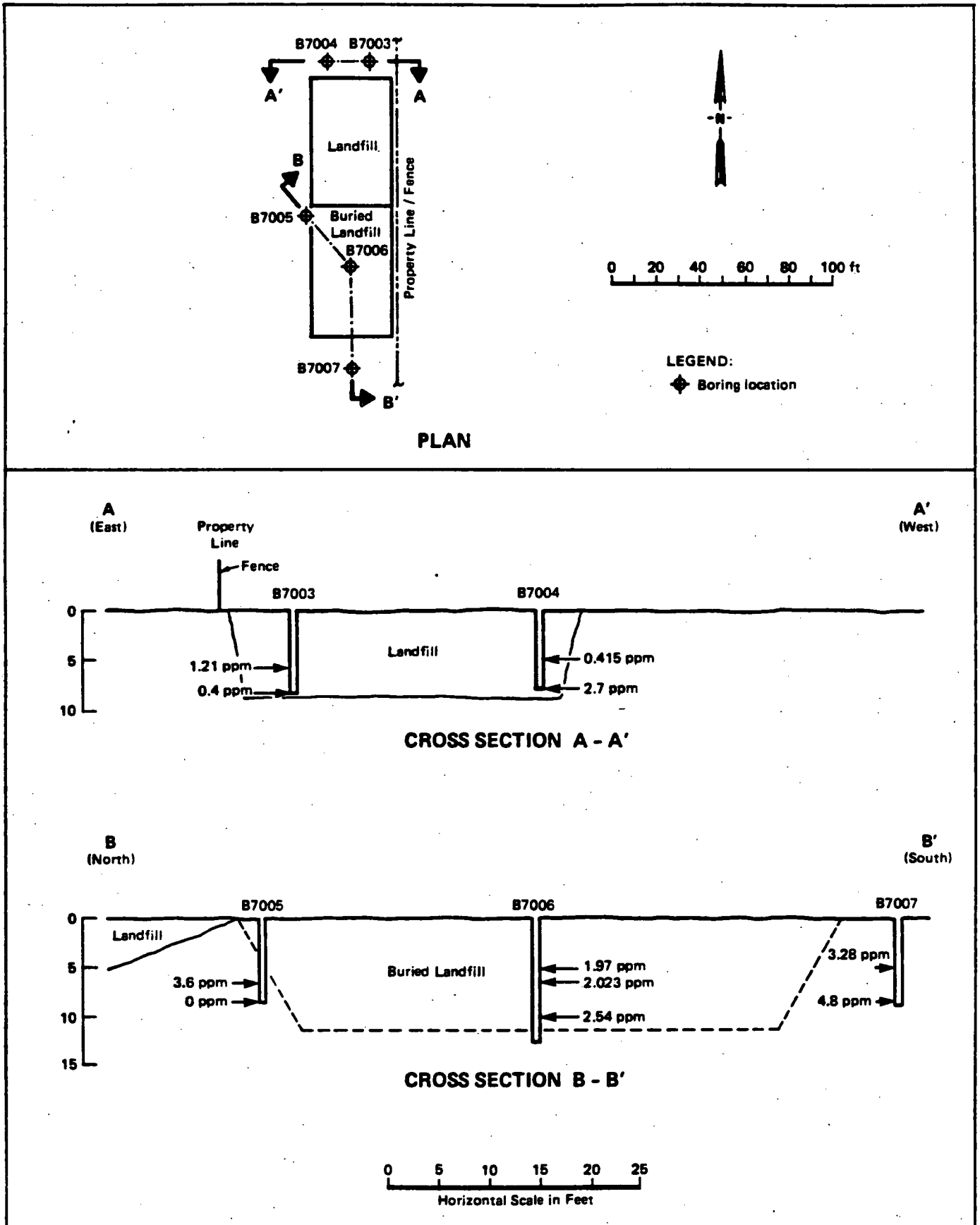
1200397

Table 5. PCB CONCENTRATION, BORING SAMPLES LAGUNA COMPRESSOR STATION (mg/kg) (concluded)

Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B7008	-5	0	N/A	
	-6.5	0	2.54	
	-8	0	2.65	
	-9	17	2.36	
B7009	-5	0	1.46	
	-6.5	0	N/A	
	-8	0	9	
	-9.5	17	N/A	
B7010	-8	0	6.53	Duplicate B7009-8
	-10	0	5.43	Duplicate B7008-8
	-15	0	3.46	Duplicate B7007-5

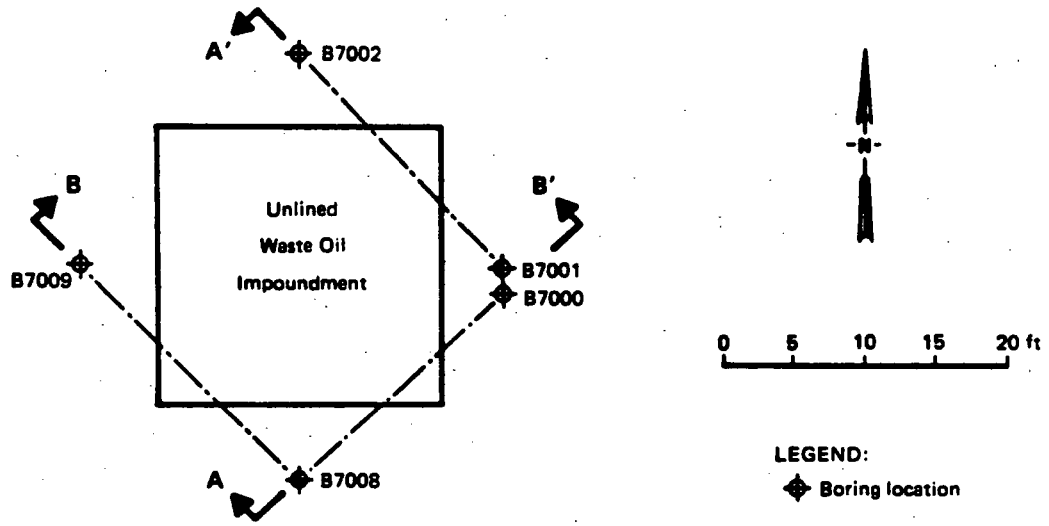
N/A = Not Analyzed

1200308

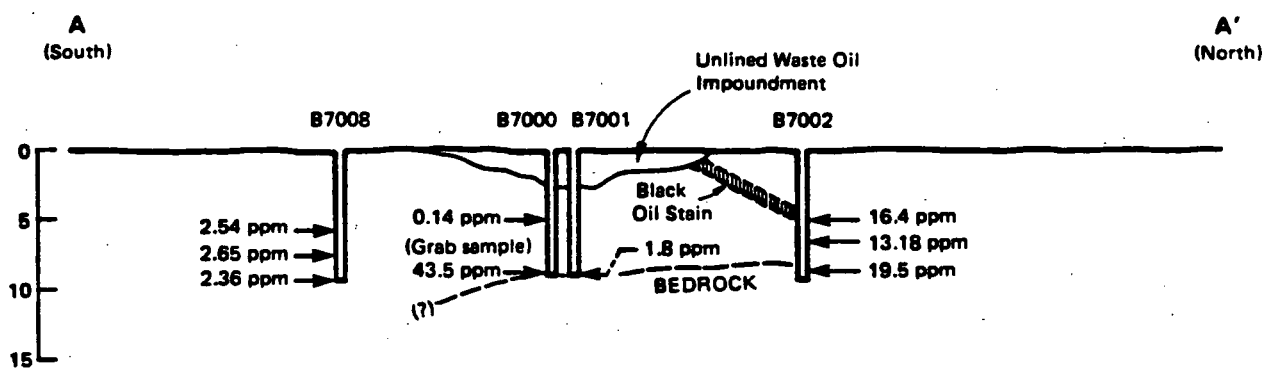


Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 6 - LAGUNA	Figure 10
Woodward-Clyde Consultants			

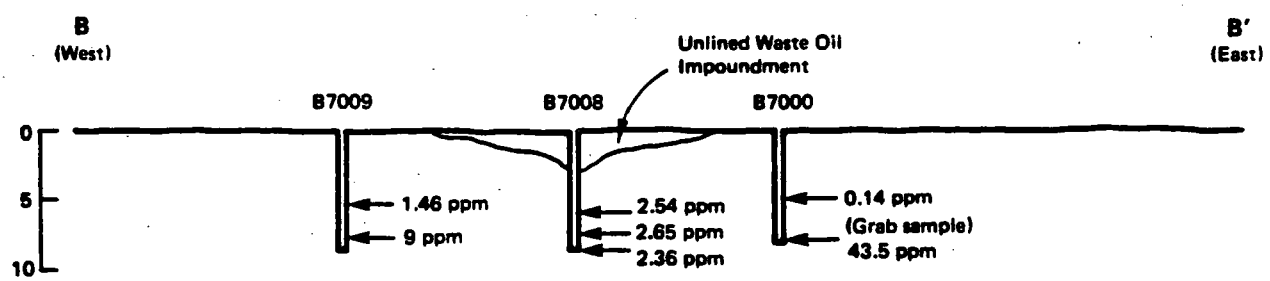
1200399



PLAN



CROSS SECTION A - A'



CROSS SECTION B - B'

0 5 10 15 20 25
Horizontal Scale in Feet

Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 6 - LAGUNA	Figure 11
Woodward-Clyde Consultants			

120040

drainage impoundment and an area in which several soil stains were observed. Sample locations are shown on Plate 3 and analytical data is presented in Tables 6 and 7. Surface PCB contamination was identified only in the vicinity of the pig receiver, the condensate impoundments, and several small surface stains in the vicinity of the impoundments. The maximum observed surface concentration was 54.5 mg/kg.

Twenty borings were advanced to characterize potential subsurface contamination in the vicinity of the condensate and engine room drainage impoundments. Contamination exceeding 25 mg/kg was observed in the boring directly through the center of the buried impoundment adjacent to the pig receiver. Figure 12 presents cross sections through this impoundment. The feature is above grade and is footed on bedrock (limestone). Data from surrounding borings indicate that lateral migration has not occurred.

Additional subsurface contamination was observed below the other impoundment, as indicated in the cross sections, Figure 13. The presence of some contamination exceeding 25 mg/kg was detected to the shallow bedrock (10 to 20 feet), with no indication of significant lateral subsurface movement. Five borings were placed around the concrete-lined waste oil impoundment. None of the boring samples analyzed had PCB concentration greater than 5 mg/kg (Figure 14). An additional five borings were placed around the landfill. All PCB concentration from the boring samples were less than 5 mg/kg (Figure 15). The estimated volume of contaminated material exceeding 25 mg/kg at this site is 2,100.

9.5 COMPRESSOR STATION 8, CORONA, NEW MEXICO

Onsite areas where samples were collected included the pig receiver, blowdowns, the vicinity of the former condensate impoundments, the

1200401

Table 6. PCB CONCENTRATION, SURFACE SAMPLES MOUNTAINAIR COMPRESSOR STATION (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
8000	17	N/A	
8001	64	N/A	
8002	12	N/A	
8003	15	N/A	
8004	0	N/A	
8005	12	N/A	
8006	11	N/A	
8007	0	N/A	
8008	188	N/A	
8009	35	N/A	
8010	18	N/A	
8011	14	N/A	
8012	11	N/A	
8013	11	N/A	
8014	15	N/A	
8015	0	N/A	
8016	1,008	N/A	
8017	25	N/A	
8018	88	N/A	
8019	0	N/A	
8020	0	N/A	
8021	12	N/A	
8022	12	N/A	
8023	11	N/A	
8024	12	N/A	
8025	38	N/A	
8026	336	N/A	
8027	23	N/A	
8028	12	N/A	
8029	12	N/A	
8030	12	N/A	
8031	12	N/A	
8032	12	N/A	
8033	13	N/A	
8034	13	N/A	
8035	106	N/A	
8036	30	N/A	
8037	17	N/A	
8038	13	N/A	
8039	11	N/A	
8040	12	N/A	

1200402

Table 6. PCB CONCENTRATION, SURFACE SAMPLES MOUNTAINAIR COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
8041	216	N/A	
8042	12	N/A	
8043	0	N/A	
8044	0	N/A	
8045	0	N/A	
8046	0	N/A	
8047	13	N/A	
8048	11	N/A	
8049	12	N/A	
8050	0	N/A	
8051	0	N/A	
8052	12	N/A	
8053	16	N/A	
8054	12	N/A	
8055	0	N/A	
8056	0	N/A	
8057	0	N/A	
8058	0	N/A	
8059	92	N/A	
8060	2,608	N/A	
8061	156	N/A	
8062	272	N/A	
8063	15	N/A	
8064	15	N/A	
8065	15	N/A	
8066	18	N/A	
8067	14	N/A	
8068	0	N/A	
8069	25	N/A	
8070	0	N/A	
8071	17	N/A	
8072	11	N/A	
8073	15	N/A	
8074	11	N/A	
8075	12	N/A	
8076	11	N/A	
8077	14	N/A	
8078	11	N/A	
8079	324	N/A	
8080	23	N/A	
8081	17	N/A	

1200403

Table 6. PCB CONCENTRATION, SURFACE SAMPLES MOUNTAINAIR COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
8082	11	N/A	
8083	0	N/A	
8084	14	N/A	
8085	12	N/A	
8086	0	N/A	
8087	0	N/A	
8088	0	N/A	
8089	11	N/A	
8090	0	N/A	
8091	0	N/A	
8092	0	N/A	
8093	0	N/A	
8094	13	N/A	
8095	14	N/A	
8096	14	N/A	
8097	12	N/A	
8098	12	N/A	
8099	13	N/A	
8100	29	N/A	
8101	18	N/A	
8102	11	N/A	
8103	12	N/A	
8104	0	N/A	
8105	0	N/A	
8106	15	N/A	
8107	1,186	0.00871	oil
8108	924	0.290	oil
8109	40	<0.25	oil
8110	74	<0.25	oil
8111	26	<0.25	oil
8112	23	20	
8113	21	1.32	
8114	N/A	5.106	
8115	N/A	2.36	
8116	N/A	5.22	
8117	N/A	12.8	
8118	N/A	1.05	
8119	N/A	6.60	
8120	N/A	1.55	
8121	N/A	1.73	
8122	N/A	3.07	

1200404

Table 6. PCB CONCENTRATION, SURFACE SAMPLES MOUNTAINAIR COMPRESSOR STATION (mg/kg) (concluded)

Sample Identification	Field Test Results	Analytical Results	Comments
8123	N/A	54.5	
8124	N/A	8.71	
8125	N/A	100	
8126	N/A	38.2	
8127	N/A	6.2	
8128	N/A	2.93	
8129	N/A	0.90	
8130	N/A	4.85	
8131	N/A	1.81	
8132	N/A	0.49	
8133	N/A	1.58	
8134	N/A	0.96	
8135	N/A	5.35	
8136	N/A	1.24	
8137	N/A	2.33	
8138	N/A	40	
8139	N/A	1.88	
8140	N/A	1.34	

N/A = Not Analyzed

1200405

Table 7. PCB CONCENTRATION, BORING SAMPLES MOUNTAINAIR COMPRESSOR STATION (mg/kg)

Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B8000	-5	17	N/A	
	-10	0	<0.020	
	-15	16	N/A	
	-20	0	N/A	
	-25	0	N/A	
	-30	0	<0.020	
B8001	-5	45	N/A	
	-10	0	<0.020	
	-15	0	N/A	
	-20	0	<0.020	
B8002	-5	0	N/A	
	-10	0	<0.020	
	-15	0	N/A	
	-20	0	N/A	
	-21.5	0	N/A	
	-25	0	<0.020	
	-30	0	<0.020	Duplicate B8002.25
B8003	-5	17	N/A	
	-11.75	0	<0.020	
	-15	0	<0.020	
B8004	-5	527	N/A	
	-10	447	<0.106	
	-15	51	44	
	-18.5	98	N/A	
	-22	0	40	
	-28	N/A	86	Duplicate B8004-10
B8005	-5	262	N/A	
	-10	309	52.2	
	-15	364	130	
	-18.5	102	52	
B8006	-5	5,680	370	
B8007	-5	1,102	106	
	-6.5	506	82.6	
	-8	0	0.48	

1200406

Table 7. PCB CONCENTRATION, BORING SAMPLES MOUNTAINAIR COMPRESSOR STATION (mg/kg) (continued)

Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B8008	-3	7,265	<0.020	
	-4.5	0	N/A	
	-6	0	0.312	
B8009	-5	0	N/A	
	-6.5	0	0.10	
	-8	0	0.124	
B8010	-5	0	N/A	
	-8.5	0	<0.020	
	-10	0	N/A	
	-12	0	<0.020	
B8011	-5	0	0.324	
	-10	0	<0.020	
B8012	-5	0	N/A	
	-10	0	<0.020	
	-15	0	N/A	
	-20	0	0.074	
B8013	-7	0	N/A	
	-10	0	0.0247	
	-15	0	<0.020	
B8014	-5	0	N/A	
	-10	0	0.0287	
	-15	0	0.117	
B8015	-5	0	N/A	
	-9	0	N/A	
	-10	0	0.072	
	-15	0	N/A	
B8016	-5	0	0.0323	
	-15	0	0.28	Duplicate B6016-5
B8017	-10	32	1.22	
	-14.5	0	N/A	
	-19.5	0	0.1	
	-25.5	0	<0.020	Duplicate B6017-19.5

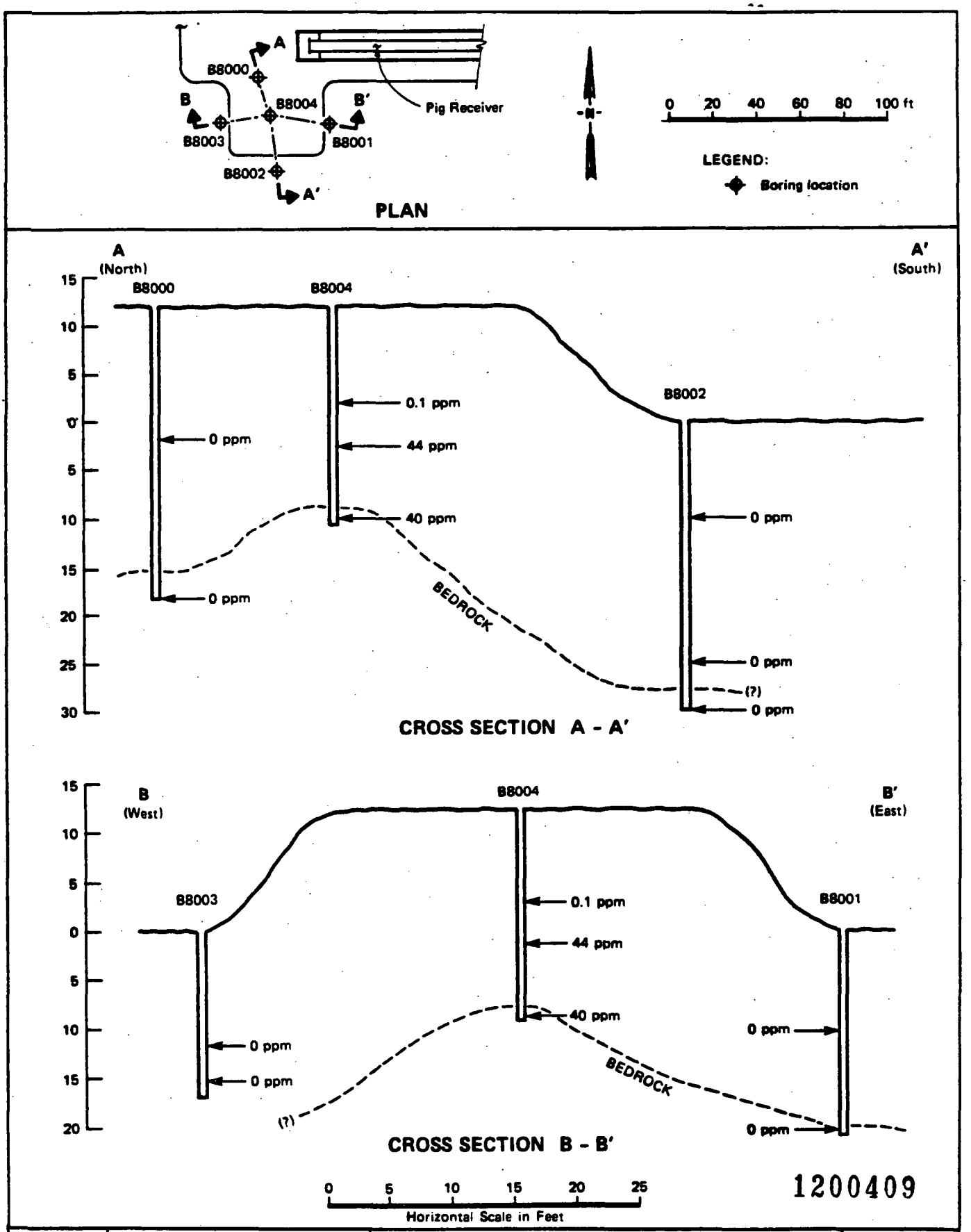
1200407

Table 7. PCB CONCENTRATION, BORING SAMPLES MOUNTAINAIR COMPRESSOR STATION (mg/kg) (concluded)

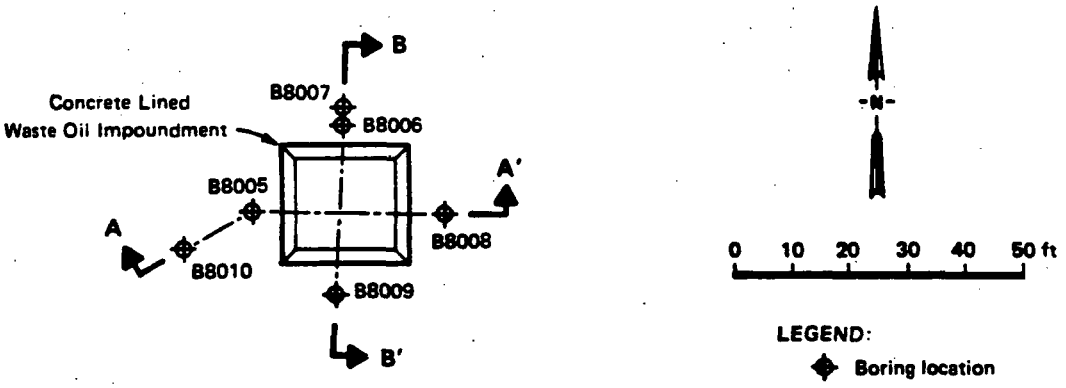
Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B8018	-5	0	0.235	
	-10	0	0.0833	
B8019	-5	0	N/A	
	-10	0	0.106	
	-15	0	N/A	
	-20	0	0.028	

N/A = Not Analyzed

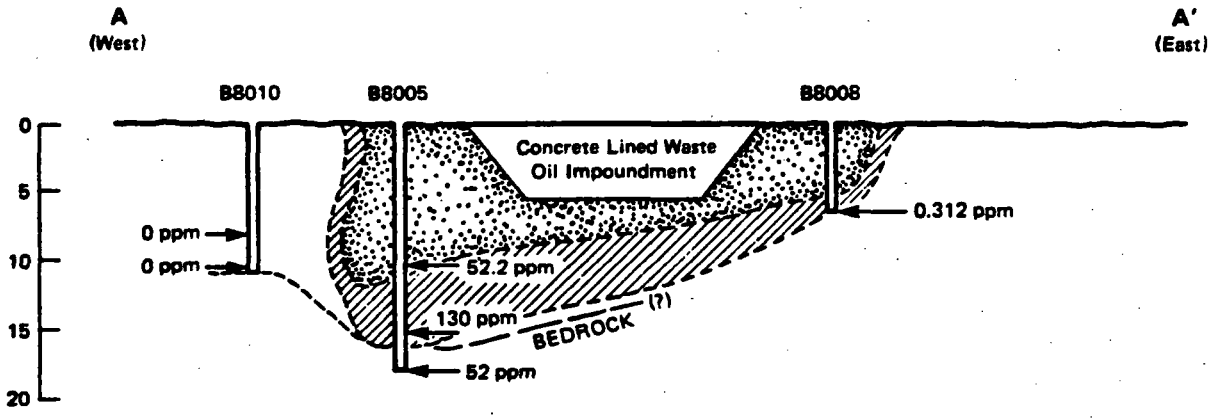
1200408



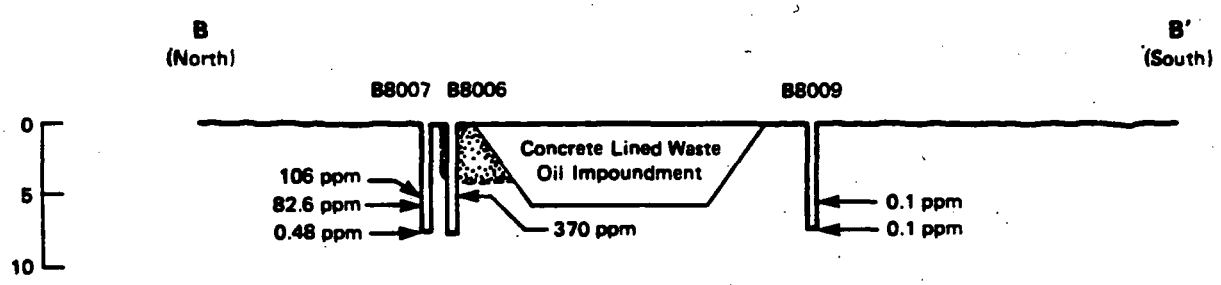
Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 7 - MOUNTAINAIR	Figure 12
Woodward-Clyde Consultants			



PLAN



CROSS SECTION A - A'



CROSS SECTION B - B'

LEGEND:

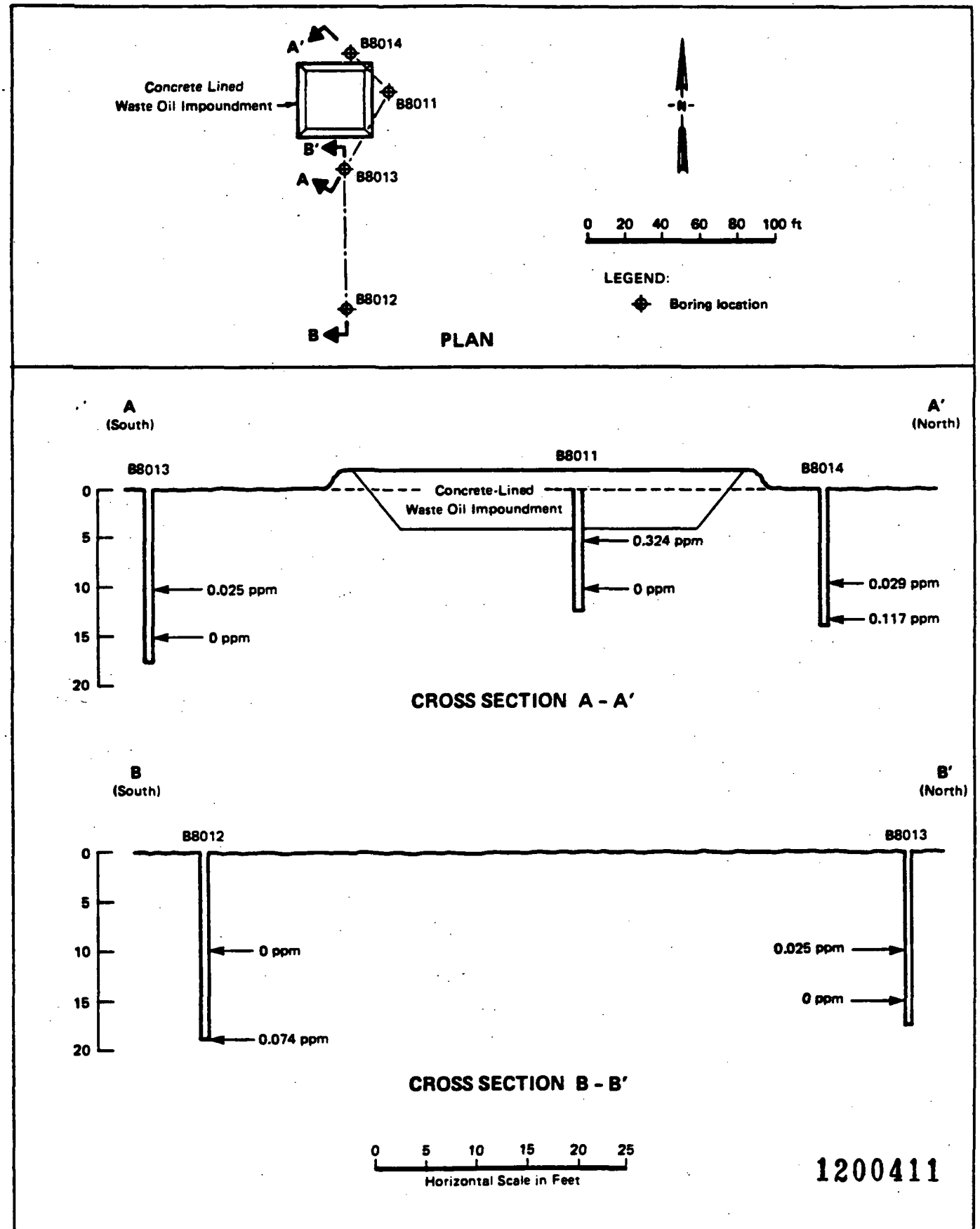
Black Oil Stain

Gray Oil Stain

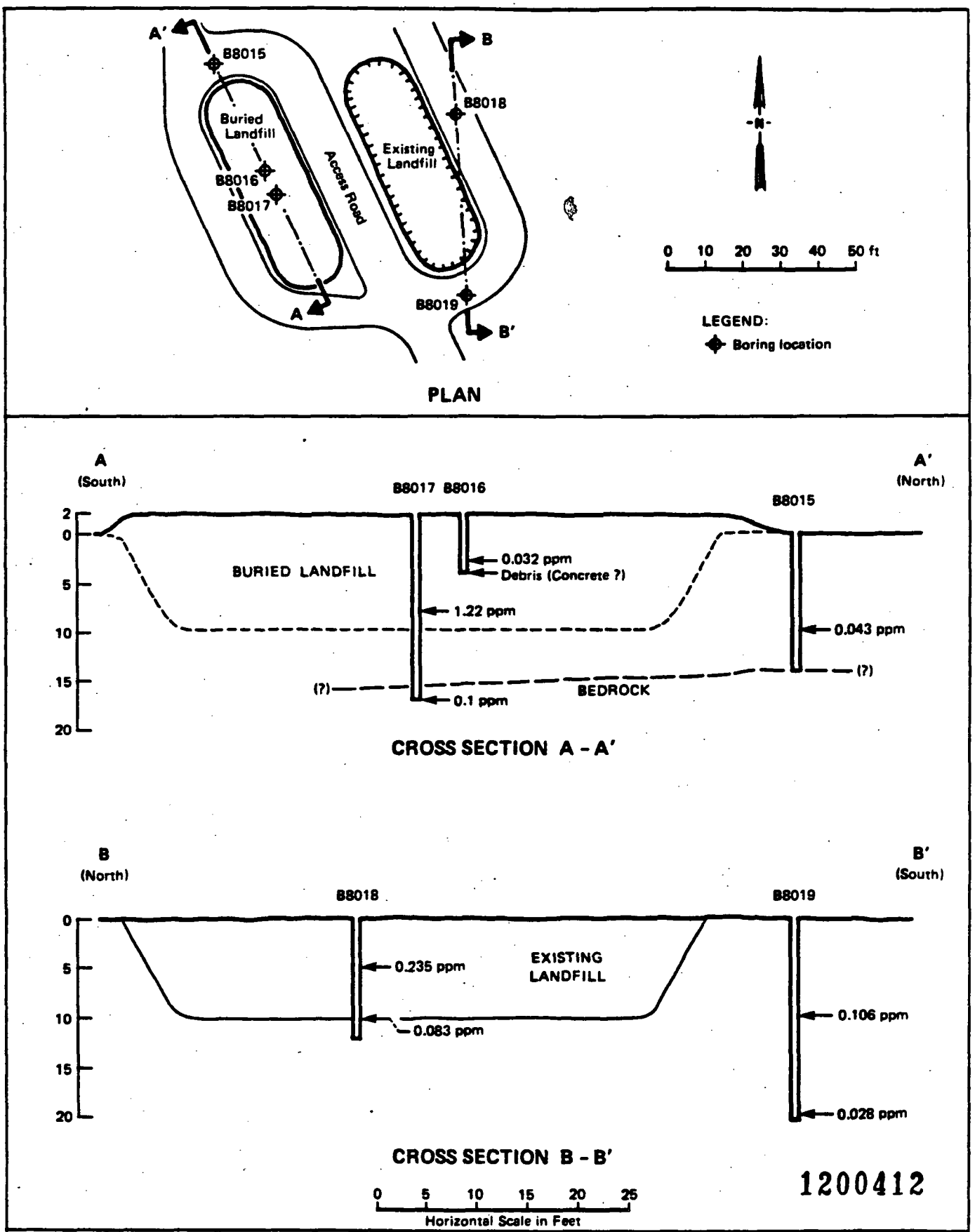
0 5 10 15 20 25
Horizontal Scale in Feet

Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 7 - MOUNTAINAIR	Figure 13
Woodward-Clyde Consultants			

12004.9



Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 7 - MOUNTAINAIR	Figure 14
Woodward-Clyde Consultants			



Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 7 - MOUNTAINAIR	Figure 15
Woodward-Clyde Consultants			

demister, the area around the existing compressors, and the station landfill. Locations of both surface and subsurface samples are shown in Plate 4. Analytical results of both the field screening and the laboratory confirmation testing are presented in Tables 8 and 9.

Surface PCB loadings exceeding 25 mg/kg were measured in samples from all of these areas and are indicated by the grey area on Plate 4. The highest surface concentration measured was 77,000 mg/kg. This sample was collected from a small area of asphaltic material near the former condensate impoundment. In general, measured surface concentrations in other areas were many times smaller. Surface contamination includes a number of piles of stained soil which have been removed from operational areas and placed in the vicinity of the station landfill.

Surface contamination was traced to the southeast property line. Additional samples were collected to define the offsite extent of contamination. Sample locations and the extent of contamination exceeding 25 mg/kg are shown on Figure 16. Analytical data is included in the former Table 8.

Subsurface samples were collected in the vicinity of the former condensate impoundments and the station landfill. The borings were advanced to negative PCB readings based on the McGraw-Edison test kit or to rock. Figure 17 presents cross sections through the area of former impoundments. This cross section suggests the presence of residual levels of PCB up to 277 mg/kg in soil below the excavated impoundments. The low values observed in B9003 suggest minimial lateral contaminant migration. Figure 18 presents a cross section through the area where the high concentration surface material was detected. This cross section suggests that the very high levels are restricted to the thin layer of shallow material and that the bulk of lesser concentration contamination is limited to the upper 5 to 10 feet of soil. Figure 19 presents a cross section

1200413

Table 8. PCB CONCENTRATION, SURFACE SAMPLES CORONA COMPRESSOR STATION (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
9000	0	N/A	
9001	0	N/A	
9002	646	N/A	
9003	22	N/A	
9004	96	N/A	
9005	31	N/A	
9006	1,408	N/A	
9007	21	N/A	
9008	0	N/A	
9009	174	N/A	
9010	112	N/A	
9011	196	N/A	
9012	17	N/A	
9013	162	N/A	
9014	112	N/A	
9015	0	N/A	
9016	0	N/A	
9017	17	N/A	
9018	121	N/A	
9019	702	N/A	
9020	412	N/A	
9021	4,440	N/A	
9022	596	N/A	
9023	272	N/A	
9024	7,600	N/A	
9025	60	N/A	
9026	50	N/A	
9027	296	N/A	
9028	50	N/A	
9029	16,000	N/A	
9030	5,232	N/A	
9031	60	N/A	
9032	20	N/A	
9033	242	N/A	
9034	196	N/A	
9035	310	N/A	
9036	550	N/A	
9037	16,000	N/A	
9038	22	N/A	
9039	50	N/A	
9040	15	N/A	
9041	12	N/A	

1200414

Table 8. PCB CONCENTRATION, SURFACE SAMPLES CORONA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
9042	16	N/A	
9043	448	N/A	
9044	506	N/A	
9045	54	N/A	
9046	15	N/A	
9047	24	N/A	
9048	11	N/A	
9049	11	N/A	
9050	232	N/A	
9051	24	N/A	
9052	19	N/A	
9053	18	N/A	
9054	17	N/A	
9055		N/A	
9056		N/A	
9057		N/A	
9058		N/A	
9059		N/A	
9060		N/A	
9061		N/A	
9062		N/A	
9063		N/A	
9064		N/A	
9065		N/A	
9066		N/A	
9067		N/A	
9068		N/A	
9069		N/A	
9070		N/A	
9071		N/A	
9072		N/A	
9073	7,265	9.50	oil
9074	8,560	<0.25	oil
9075	1,468	1970	
9076	45,971	77,000	
9077	2,305	4940	
9078	37,450	1300	
9079	148	630	
9080	189	359	
9081	22	359	
9082	19,434	<0.25	

Table 8. PCB CONCENTRATION, SURFACE SAMPLES CORONA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
9083	11	0.0542	
9084	11	2.493	
9085	116	10.4	
9086	49	42.2	
9087	49	1.74	
9088	15	0.43	
9089	1,660	3,000	
9090	2,212	67.9	
9091	160	51.2	
9092	7,265	<0.020	duplicate 9073
9093	21,895	<0.25	oil duplicate 9074
9094	2,212	865	duplicate 9090
9095	93	30.1	
9096	12,430	<0.25	oil
9097(1)		<0.25	oil duplicate 9096
9097(2)	22	995	
9098	30	45.5	
9099	19	250	
9100	0	126	
9101	18	472	
9102	34	493	
9103	0	181	
9104	0	993	
9105	0	510	
9106	0	416.75	
9107	0	45.7	
9108	0	108.5	
9109	0	89.9	
9110	0	70.2	
9111	0	75	
9112	0	108	
9113	0	104	
9114	0	19.8	
9115	16	72.5	
9116	0	101	
9117	0	115	
9118	0	114	
9119	23	129	
9120	0	110.5	
9122	0	53	
9123	0	77.5	
9124	0	15	

1200416

Table 8. PCB CONCENTRATION, SURFACE SAMPLES CORONA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
9125	0	78	
9126	0	107.50	
9127	3,200	13.790	
9128	72	795	
9129	17	117.5	
9130	17	294.5	
9131	52	365	
9132	0	153.5	
9133	28	950	
9134	0	122	
9135	168	238.5	
9136	0	270.5	
9137	296	613.5	
9138	72	410	
9139	0	58.5	
9140	0	29	
9141	34	261.5	
9142	21	142.5	
9143	29	133	
9144	0	286.5	
9145	0	39	
9146	0	39.5	
9147	0	33	
9148	72	33.5	
9149	1,528	1,244.5	
9150	0	116.5	
9151	0	28.5	
9152	0	12.63	
9153	0	8.365	
9154	23	102.5	
9155	0	89.5	
9156	0	24.86	
9157	0	14.135	
9158	0	14.88	
9159	0	34.5	
9160	0	304	
9161	0	83	
9162	0	162	
9163	0	107.5	
9164	0	66.5	
9165	0	44.5	

Table 8. PCB CONCENTRATION, SURFACE SAMPLES CORONA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
9166	0	56	
9167	0	69.5	
9168	25	<0.020	
9169	0	163.5	
9170	0	145.5	
9171	40	35	
9172	100	54.5	
9173	56	348	
9174	0	109	
9175	1,528	662.17	
9176	0	712	
9177	18	111	
9178	620	78.5	
9179	20	76	
9180	N/A	169	
9181	31	95	
9182	0	171.5	
9183	0	207.5	
9184	40	593	
9185	0	167.5	
9186	0	153.5	
9187	88	231	
9188	52	1,108	
9189	22	241.5	
9190	37,450	6,694.66	
9191	12,897	618	
9192	19,434	2,447	
9193	0	184.5	
9194	0	157.5	
9195	0	62.5	
9196	24	199	
9197	0	174	
9198	0	45	
9199	0	209.5	
9200	40	1,262.25	
9201	9	186	oil
9202	736	20,900	oil
9203	54	750	oil
9204	N/A	N/A	
9205	N/A	N/A	
9206	12,000	3.79	

1200418

Table 8. PCB CONCENTRATION, SURFACE SAMPLES CORONA COMPRESSOR STATION (mg/kg) (continued)

Sample Identification	Field Test Results	Analytical Results	Comments
9207	0	6.41	
9208	N/A	734	duplicate 9102
9209	N/A	168	duplicate 9119
9210	N/A	435	duplicate 9127
9211	N/A	336	duplicate 9135
9212	N/A	502	duplicate 9137
9213	N/A	169.5	duplicate 9138
9214	N/A	185.5	duplicate 9143
9215	N/A	200	
9216	N/A	0.62	
9217	N/A	89.6	
9218	N/A	650	
9219	N/A	70	
9220	N/A	290	
9221	N/A	7.61	
9222	N/A	34.0	
9223	N/A	9.38	
9224	N/A	11.0	
9225	N/A	66.8	
9226	N/A	26.0	
9227	N/A	87.16	
9228	N/A	5.01	
9229	N/A	190	
9230	N/A	4.34	
9231	N/A	6.65	
9232	N/A	26.5	
9233	N/A	13.6	
9234	N/A	6.61	
9235	N/A	36.1	
9236	N/A	19.0	
9237	N/A	14.9	
9238	N/A	0.86	
9239	N/A	2.30	
9240	N/A	15.0	
9241	N/A	5.10	
9242	N/A	4.01	
9243	N/A	1.7	
9244	N/A	5.3	
9245	N/A	4.1	
9246	N/A	7.5	
9247	N/A	6.1	
9248	N/A	210.0	

Table 8. PCB CONCENTRATION, SURFACE SAMPLES CORONA COMPRESSOR STATION (mg/kg) (concluded)

Sample Identification	Field Test Results	Analytical Results	Comments
9249	N/A	0.8	
9250	N/A	9.1	
9251	N/A	28.0	
9252	N/A	1.3	
9253	N/A	43.0	
9254	N/A	N/A	
9255	N/A	N/A	
9256	N/A	N/A	
9257	N/A	N/A	
9258	N/A	N/A	
9259	N/A	10.9	
9260	N/A	0.20	
9261	N/A	N/A	
9262	N/A	N/A	
9263	N/A	N/A	
9264	N/A	N/A	
9265	N/A	600	duplicate 9218
9266	N/A	48.9	duplicate 9227
9267	N/A	49.0	duplicate 9237
9268	N/A	0.5	duplicate 9248
9269	N/A	230.0	duplicate 9259
9270	N/A	1,100	
9271	N/A	600	
9272	N/A	9,100	
9273	N/A	910	
9274	N/A	420	
9275	N/A	570	
9276	N/A	51.8	
9277	N/A	115	
9278	N/A	96.5	
9279	N/A	216	
9280	N/A	2.65	
9281	N/A	670	duplicate 9271
9282	N/A	230	
9283	N/A	260	
9284	N/A	6.23	
9285	N/A	45.0	
9286	N/A	N/A	
9287	N/A	N/A	
9288	N/A	N/A	
9289	N/A	N/A	

Table 9. PCB CONCENTRATION, BORING SAMPLES CORONA COMPRESSOR STATION (mg/kg)

Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B9000	-3	19	N/A	
	-5	25	76.5	
	-7	0	208	
	-9	0	277.5	
	-14	0	N/A	
	-19	0	N/A	
B9001	-4.5	88	15	
	-6	48	84.74	
	-9	0	119	
	-14	0	N/A	
	-19	0	N/A	
	-24	0	N/A	
	-29	0	N/A	
B9002	-3	0	350.5	
	-5	0	N/A	
	-7	0	N/A	
	-10	0	N/A	
	-14	0	N/A	
B9003	-3	0	10.5	
	-5	0	N/A	
	-7	40	112	
	-10	0	N/A	
	-14	0	N/A	
B9004	-3	0	33	
	-5	0	N/A	
	-7	0	N/A	
	-10	0	N/A	
	-14	0	N/A	
B9005	-3	4,440	3,529.5	
	-5	2,490	613.5	
	-7	0	17	
	-10	0	N/A	
	-14	0	26	

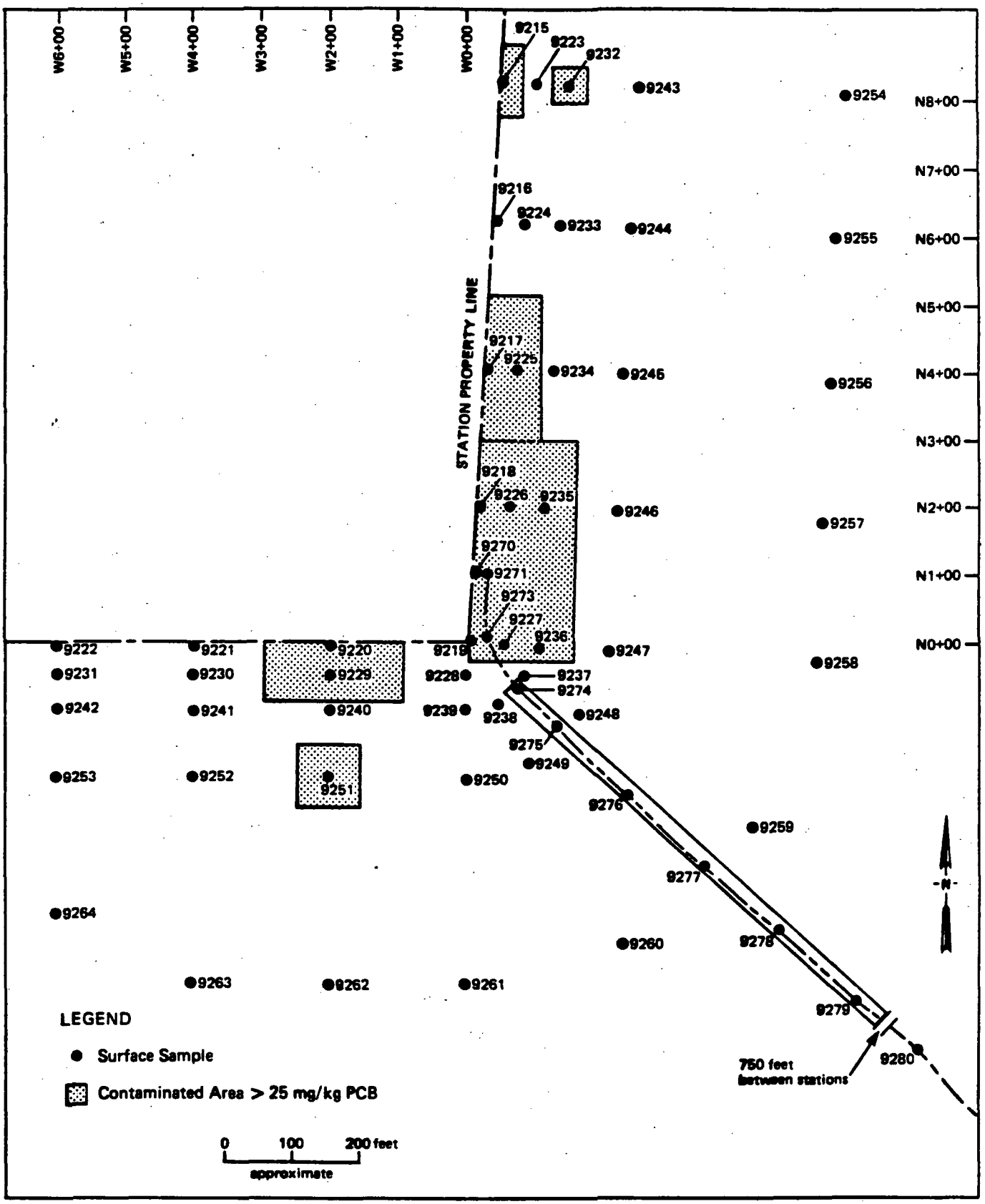
1200421

Table 9. PCB CONCENTRATION, BORING SAMPLES CORONA COMPRESSOR STATION (mg/kg) (concluded)

Sample ID	Depth (feet)	Field Test Results	Analytical Results	Comments
B9006	-3	0	N/A	
	-5	0	N/A	
	-7	0	1,407	
	-10	0	N/A	
	-14	0	N/A	
B9007	-5	0	218	
	-10	0	N/A	
B9008	-3	0	106	
	-5	0	N/A	
	-7	0	N/A	
B9009	-5	0	317.5	
	-10	0	N/A	
B9010	-5	0	14	Duplicate B9003-7
	-10	0	351.5	Duplicate B9005-7

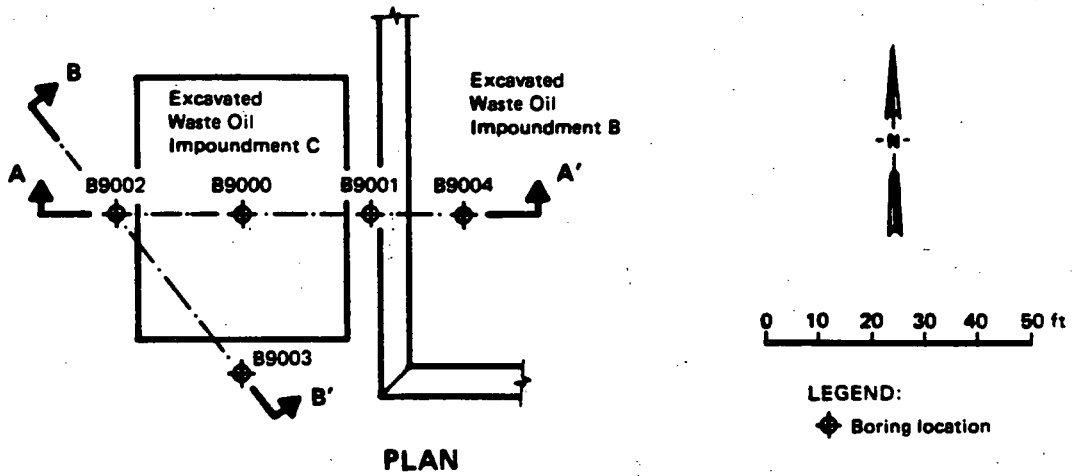
N/A = Not Analyzed

1200422

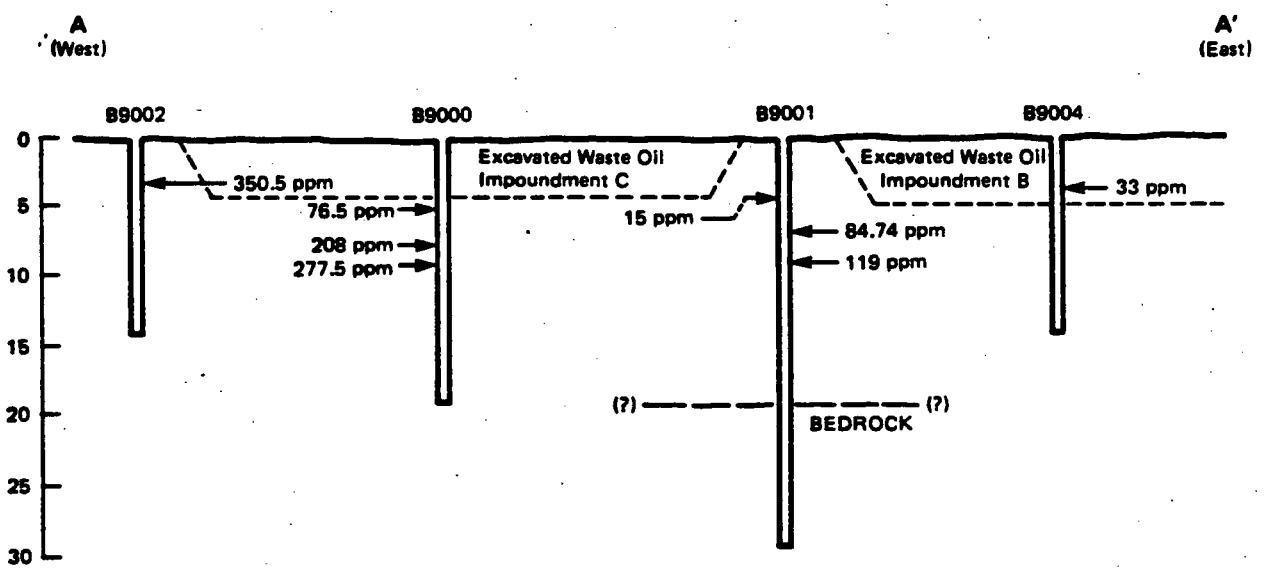


Project No. 901588	TRANSWESTERN PIPELINE COMPANY OFFSITE SAMPLE LOCATIONS CORONA COMPRESSOR STATION, N.M.	Figure 16
Woodward-Clyde Consultants		

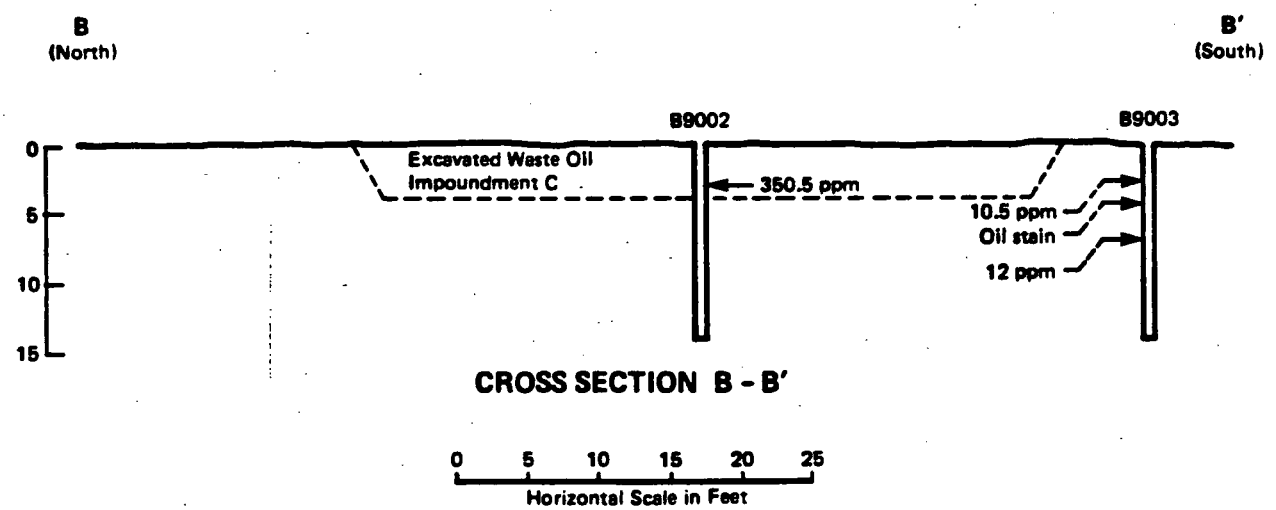
1200423



PLAN



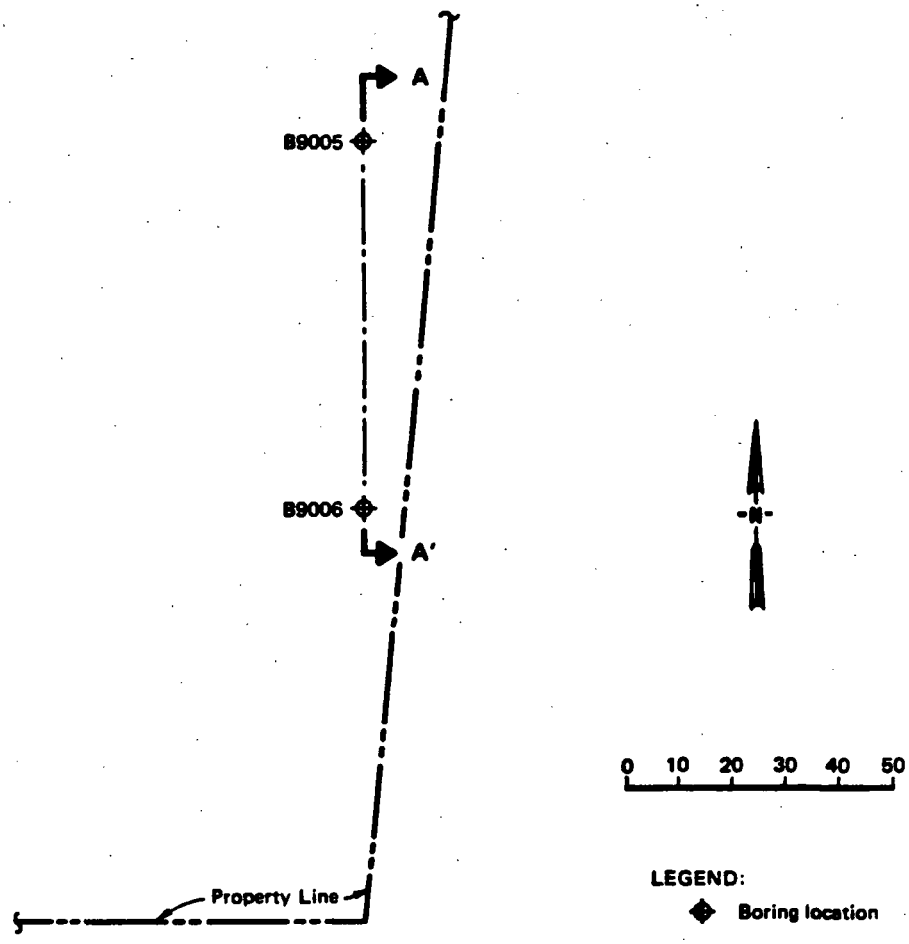
CROSS SECTION A - A'



CROSS SECTION B - B'

Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 8 - CORONA	Figure 17
Woodward-Clyde Consultants			

1200424



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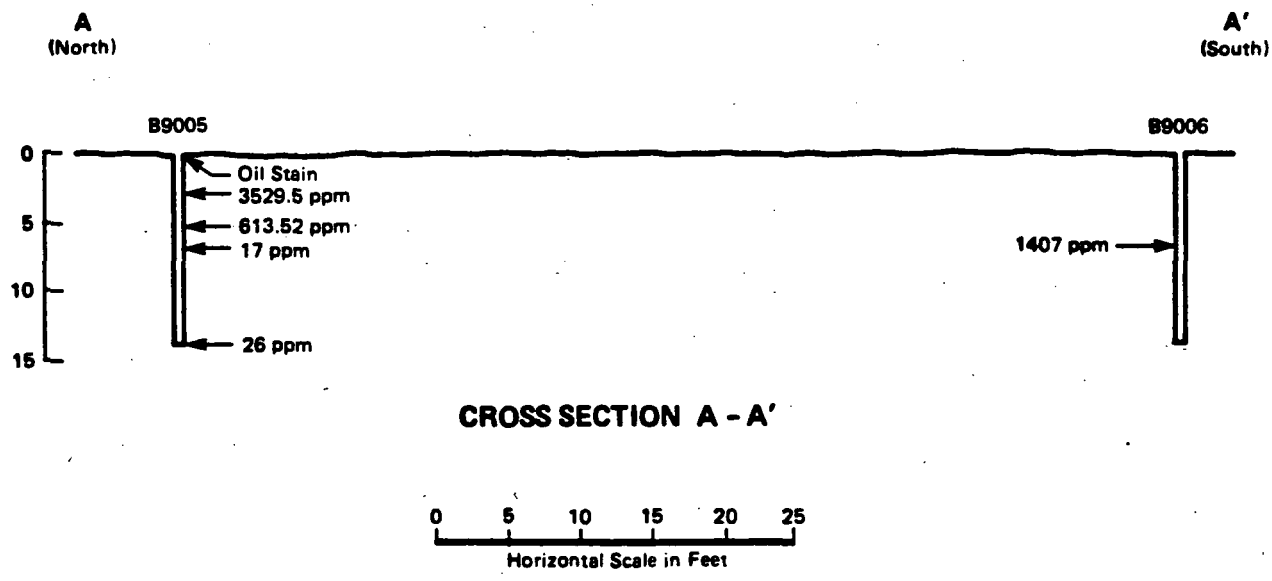
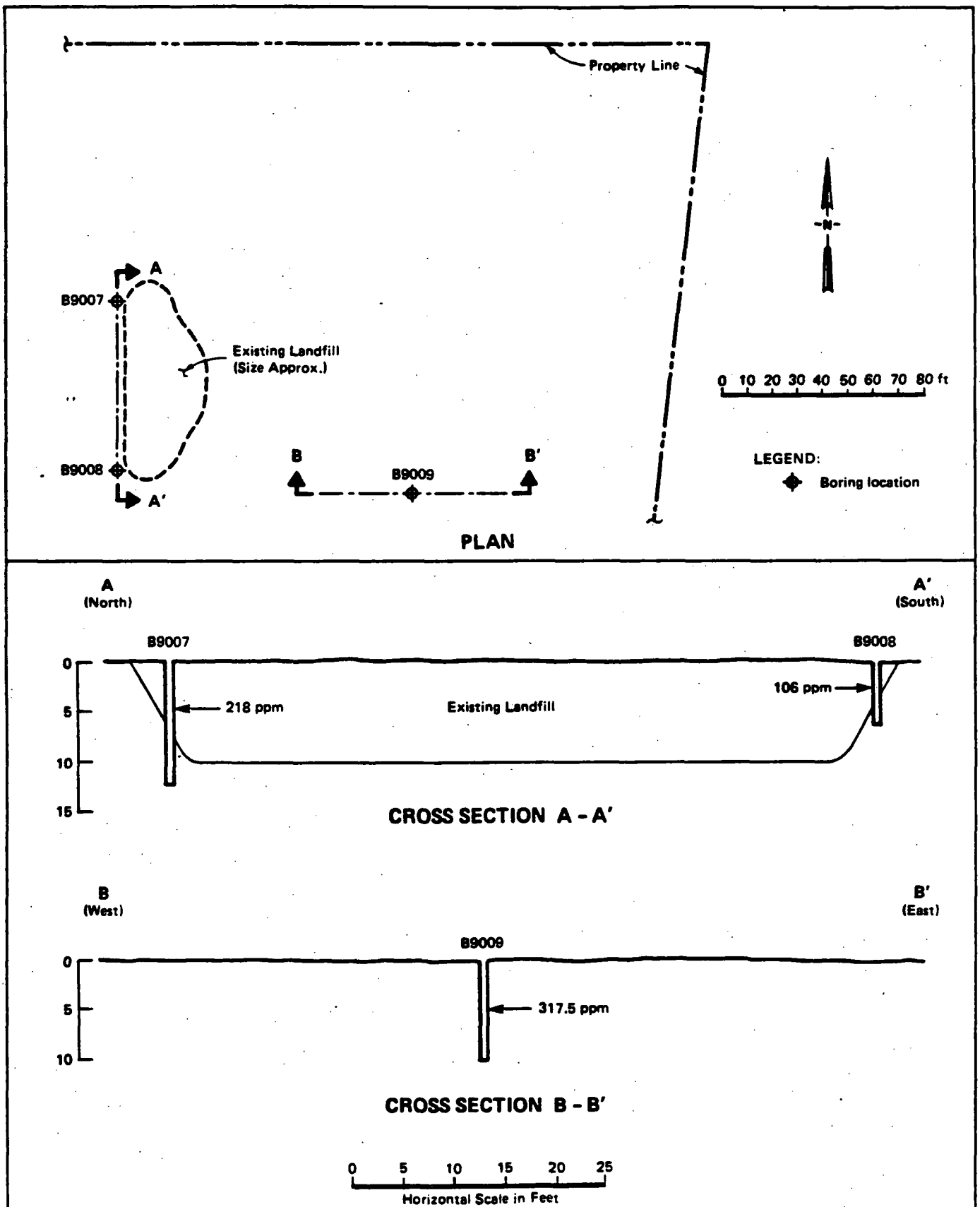


CROSS SECTION A - A'

Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 8 - CORONA	Figure 18
Woodward-Clyde Consultants			

1200425



Project No. 90158B	Transwestern Pipeline Company	CROSS SECTION OF BORINGS WITH PCB CONCENTRATIONS AT STATION 8 - CORONA	Figure 19
Woodward-Clyde Consultants			

1200426

through the station landfill. The data suggest that some PCB-contaminated material was placed in the landfil. (Deeper samples from these borings were not laboratory tested, as they received negative screening values.)

The estimated volume of PCB-contaminated material exceeding 25 mg/kg at Corona is 23,000 cubic yards. This estimate assumes a maximum excavation depth of 15 feet or bedrock (if shallower) in areas where deeper contamination was detected.

9.6 ANCILLARY FACILITIES

Other areas were the Belen Maintenance Station, the Belen Blowdown and the remote pig receivers located between Corona and Mountainair Compressor Stations (Corona Loop Line); Mountainair and Laguna Compressor Stations (Rio Grande Crossing); Laguna and Thoreau Compressor Stations (Grant's Pig Receiver). The only surface sample taken at any of the ancillary facilities to exceed 25 mg/kg was taken at the base of the demister at the Rio Grande Crossing and the sample had a concentration of 105 mg/kg. The results of the analytical data are shown in Tables 4, 10, 11, 12, and 13.

Table 10. PCB CONCENTRATION, SURFACE SAMPLES RIO GRANDE CROSSING (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
10000	116	N/A	
10001	16	N/A	
10002	16	N/A	
10003	0	N/A	
10004	14	N/A	
10005	12	N/A	
10006	12	N/A	
10007	13	N/A	
10008	13	N/A	
10009	13	N/A	
10010	13	N/A	
10011	14	N/A	
10012	14	N/A	
10013	12	N/A	
10014	13	N/A	
10015	12	N/A	
10016	14	N/A	
10017	15	N/A	
10018	13	N/A	
10019	12	N/A	
10020	12	N/A	
10021	13	N/A	
10022	14	N/A	
10023	14	N/A	
10024	13	N/A	
10025	11	N/A	
10026	12	N/A	
10027	16	N/A	
10028	11	N/A	
10029	14	N/A	
10030	18	N/A	
10031	0	5.48	
10032	0	3.79	
10033	0	7.76	
10034	0	7.1	
10035	572	7.78	
10036	25	5.4	
10037	0	105	
10038	0	6.6	
10039	0	9.67	
10040	0	7.7	
10041	N/A	84	duplicate 10035

1200428

Table 11. PCB CONCENTRATION, SURFACE SAMPLES BELEN MAINTENANCE STATION (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
11000	0	N/A	
11001	0	N/A	
11002	0	N/A	
11003	0	N/A	
11004	0	N/A	
11005	0	N/A	
11006	0	N/A	
11007	0	N/A	
11008	0	7.7	
11009	0	3.31	
11010	0	7.27	
11011	0	8.3	
11012	0	6.3	
11013	0	7.33	

1200429

Table 12. PCB CONCENTRATION, SURFACE SAMPLES BELEN BLOWDOWN (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
12000	0	N/A	
12001	0	N/A	
12002	0	N/A	
12003	0	N/A	
12004	0	N/A	
12005	0	N/A	
12006	0	N/A	
12007	0	N/A	
12008	0	N/A	
12009	0	N/A	
12010	0	N/A	
12011	0	N/A	
12012	0	N/A	
12013	0	N/A	
12014	0	N/A	
12015	0	N/A	
12016	0	N/A	
12017	0	N/A	
12018	0	N/A	
12019	0	N/A	
12020	0	N/A	
12021	0	N/A	
12022	0	N/A	
12023	0	N/A	
12024	0	N/A	
12025	0	N/A	
12026	0	N/A	
12027	0	N/A	
12028	0	N/A	
12029	0	N/A	
12030	0	N/A	
12031	0	N/A	
12032	0	N/A	
12033	0	N/A	
12034	0	N/A	
12035	0	N/A	
12036	0	N/A	
12037	0	N/A	
12038	0	N/A	
12039	0	N/A	
12040	0	N/A	

1200430

Table 12. PCB CONCENTRATION, SURFACE SAMPLES BELEN BLOWDOWN (mg/kg) (concluded)

Sample Identification	Field Test Results	Analytical Results	Comments
12041	0	N/A	
12042	0	N/A	
12043	0	N/A	
12044	0	N/A	
12045	0	N/A	
12046	0	N/A	
12047	0	N/A	
12048	0	N/A	
12049	0	14	
12050	0	3.84	
12051	0	7.1	
12052	0	7.3	
12053	0	0.764	
12054	0	0.848	duplicate 12050

1200431

Table 13. PCB CONCENTRATION, SURFACE SAMPLES CORONA LOOP RECEIVER (mg/kg)

Sample Identification	Field Test Results	Analytical Results	Comments
13000	29	N/A	
13001	0	N/A	
13002	0	N/A	
13003	0	N/A	
13004	N/A	N/A	
13005	N/A	N/A	
13006	N/A	N/A	
13007	N/A	N/A	
13008	N/A	7.7	
13009	N/A	3.31	
13010	N/A	7.27	
13011	N/A	8.3	
13012	N/A	6.3	
13013	N/A	7.33	

1200432

APPENDIX A
HEALTH AND SAFETY PLAN, REGION 6

1200434

8472c-1

SAFETY PLAN
FOR
FIELD INVESTIGATION

TPC - EPA REGION 6

WCC PROJECT NUMBER 90158A

WALNUT CREEK OFFICE

PREPARED BY: Jay G. Kamine
Staff Engineer
1 August 1985

APPROVALS:

Project Manager	Date 8-2-85
Corporate Health and Safety Officer (WOG)	Date 8-2-85
Project Safety Officer	Date

1200435

SITE SAFETY PLAN
TRANSWESTERN PIPELINE COMPANY
MNG - EPA REGION 6

1.0 INTRODUCTION

Woodward-Clyde Consultants (WCC) has been contracted by Transwestern Pipeline Company to conduct an investigation to determine the extent of polychlorinated biphenyls (PCBs) which contaminate the surface and subsurface soil at selected locations along the natural gas pipeline in Arizona and New Mexico. The provisions of this site safety plan apply to field activities described in the "Work Description" section of this document. This plan specifies the safety rules and requirements to be observed by all Woodward-Clyde Consultants employees while on-site in conjunction with the project. If field activities are modified or added after the issue date of this plan, the hazards associated with the modified/additional activities must be reassessed and the site specific provisions of this plan modified accordingly.

2.0 SITE DESCRIPTION

See attached Figures

3.0 WORK DESCRIPTION

The first task will involve the surface sampling of soils at various predetermined locations at the site. The second task will involve the sampling of liquids at surface tank impoundments and storage tanks located on the site. The third task will involve the sampling of subsurface soils with a drill rig equipped with a hollow stem auger using a California Modified Sampler. For a more detailed description of the field activities, refer to the Project Work Plan.

4.0 HAZARD ASSESSMENT

Potential hazardous chemicals identified on-site are PCBs and arsenic. Polychlorinated biphenyls (PCBs) are a class of halogenated cyclic hydrocarbon compounds. As a whole, they exist as oils and are only slightly soluble in water. They are not volatile and are thermally stable. The implication of these characteristics are important to safely working around possible contaminations. Since volatilized on-site concentrations of PCBs will be minimal, inhalation exposure normally would not present a problem. The danger in this field sampling lies in the inhalation of contaminated soil that enters the air as dust. Because PCBs are very resistant to degradation, they tend to persist in the environment. This residual persistence increases the possibility of exposure where contamination is present. Thus, dermal absorption resulting from contact with contaminated dust is another source of exposure that presents a potential health hazard. This type of exposure is unavoidable without appropriate protective clothing.

Despite animal models that indicate that PCBs may be carcinogenic, epidemiological studies fail to confirm the conclusion. Despite conclusive evidence, OSHA has recommended that PCBs be considered carcinogens and has established the permissible exposure level (PEL) at 1 mg/m^3 for an 8-hour workshift for PCBs containing 42 percent chlorine, and 0.5 mg/m^3 for PCBs containing greater than 54 percent chlorine. These values represent permissible exposure concentrations that workers may be repeatedly exposed to without adverse effects.

The IDLH ("Immediately Dangerous to Life or Health" concentration) was set by OSHA at 10 mg/m^3 for 42 percent chlorine PCBs and 5 mg/m^3 for 54 percent PCB compounds. These two standard values are important because they are referenced limiting values to indicate the necessity of full-face supplied air respirator use at levels above 10 mg/m^3 for 42 percent chlorine PCBs and above 5 mg/m^3 for 54 percent chlorine PCBs. Working in atmospheres greater than the IDLH will require the use of

self-contained breathing apparatus and fully encapsulated impervious coveralls to prevent skin contact. WCC employees will be required to vacate the site in the event contamination levels exceed the PEL concentration levels.

Polychlorinated dibenzofurans (PCDF) are a family of compounds that are found as impurities in PCB formulations. They are structurally related to polychlorinated dibenzodioxins. Although PCDF compounds exhibit higher acute toxicity than PCBs, little quantitative data concerning its chronic effects exists. A range of 0 to 14 ppm of polychlorinated dibenzofurans has been measured in various PCB formulations. In the absence of established exposure limits for PCDFs, discussion of safety guidelines will be referenced to PCBs exposure limits and extrapolated.

On-site contamination levels are not expected to present a health hazard under normal work conditions outline in the Work Description. It is not likely that the PCB concentrations in air will exceed the lower threshold limit value (TLV) of .5 mg/m^3 established by the American Conference of Governmental Industrial Hygienist (ACGIH) for 54 percent chlorine PCBs.. (The TLV is comparable to OSHA's definition of PEL.) A greater potential source of exposure will be direct contact with contaminated soil. This route of exposure can be avoided by use of proper protective clothing.

Chronic exposure to arsenic by ingestion and inhalation has been reported to cause a variety of cardiovascular disorders, disorders of the central and peripheral nervous systems, and disorders of the skin. In children, arsenic ingestion has been reported to reduce growth, cause hardening of the skin, mental retardation, and epilepsy. There is evidence that children, especially those less than two years old, are more susceptible than any other age group to arsenic-induced brain damage.

Skin disorders caused by arsenic include hyperkeratosis and cancer. High incidences of lung cancer among workers engaged in the manufacture of arsenic products, smelting, and mining of certain ores have been linked to arsenic.

No acceptable daily intake (ADI) was found in the literature for arsenic. The current drinking water standard for arsenic is 0.05 mg/l. The same limit is recommended by the World Health Organization. A conservative ADI for arsenic would be 0.1 mg/day (0.05 mg/L X 2l). It is conservative because EPA (1976) has estimated that the total average intake of arsenic from food and water is 0.9 mg/person; thus, the ADI is only about 10 percent of the normal daily intake of arsenic via ingestion.

The EPA ambient water quality health criteria for arsenic is 2.2 ng/l (parts per trillion) for an increased lifetime cancer risk of 10^{-6}. The average body burden of arsenic is less than 1.4 mg/kg.

Other possible hazards include rattlesnakes, scorpions, tarantulas and gila monsters.

5.0 SITE LAYOUT

Because of the relatively low hazard associated with the work to be performed, dividing the site into the customary exclusion, contamination reduction, and support areas is unnecessary. The area is enclosed and is completely fenced in and public access is prohibited.

6.0 PERSONNEL PROTECTION

6.1 Personal Protective Equipment

The protective equipment required for the field effort are listed below. Equipment specifications are based on the foregoing hazard assessment.

Respiratory Protection:	None. Contingency: half-mask with air purifying cartridges approved by NIOSH for protection against dusts, fumes and mists with PELs not less than 0.05 mg/m^3. Optional for Tasks 1 and 2, mandatory for Task 3,

<u>Body Protection</u>: Long-sleeved shirt and long pants and/or uncoated Tyveks coveralls. Tyvek coveralls mandatory for Task 3.

<u>Hand Protection</u>: Medium duty nitrile (about 10 mil). Disposable PVC or rubber gloves shall be worn under the nitrile gloves. Mandatory for all Tasks.

<u>Foot Protection</u>: Steeled toed shoes or boots and boot covers. Rubber Boots Mandatory for all Tasks.

<u>Head Protection</u>: Hard hats. Mandatory for Task 3.

For added protection, a plastic sheet shall be placed between the knees and ground when kneeling to collect soil samples in Task 1.

6.2 <u>Other Equipment</u>

First aid kit for 5-10 people (1 kit).

Eye wash Solution (2-4oz. bottles)

6.3 <u>Medical Monitoring</u>

All WCC employees assigned to the sampling operations must be active participants in WCC's Employee Medical Surveillance Program. WCC's program requires employees assigned to hazardous waste site investigations to take preassignment, annual, and exit medical examinations.

The program is designed to screen employees for suitability for hazardous waste project assignments, identify work-related illnesses and injuries, and support employee health. As a minimum, the examinations include: gathering information on family and personal medical history through interview, EKG, pulmonary function test, complete physical examination, liver and kidney function tests (SMAC 20), urinalysis, zinc protoporphyrin, and serum cholinesterase. Medical and exposure

monitoring records are maintained in accordance with OSHA requirements specified in 29CFR 1910.20. These records as well as Certificates of Fitness signed by the examining physician will be made available to the Transwestern Pipeline Company on request.

6.4 Work-Rest Schedule

Air temperatures and humidity are expected to be in a relatively high range during summer and because the physical work will be such that heat stress should be monitored periodically to ensure the safety of the individuals working on site.

6.5 Heat Stress

The following recommendations will help to reduce heat stress:

- Provide plenty of liquids.
- Wearing of an undergarment that acts to help ventilation of the body.
- Provide mobile showers and/or hose-down facilities to reduce body temperature and cool protective clothing.
- Scheduling of activities during the cooler times of the day.
- Providing sun shade over the work area if possible.
- Establish a work schedule incorporating regular rest periods
  - A suggested schedule might be to allow a 30 minute rest period for every hour of work.)
- Mandate work slowdowns as needed.
- Rotation of shifts of workers wearing impervious clothing.
- Heat stress monitoring.

The following techniques can be used to screen for heat stress:

- Heart rate at the radial artery should be measured as early as possible in the resting period. Should the heart rate exceed 110 peats per minute, the next work period should be shortened by 10 minutes (33%), while the length of the rest period stay the same. If the pulse rate is greater than 100 at the next rest period, the following work cycle should be shortened by 33%.

- Body temperature can be used to screen for heat stress. If the oral temperature at the beginning of the rest period exceeds 99 degrees Fahrenheit, the next work period should be shortened by 10 minutes (or 33%), while the length of the rest period stay the same.This process should be continued until the body temperature does not exceed 99°F.

- Body water loss can be monitored using a scale to measure changes in body weight.

6.6 Safety Training

As a minimum, field personnel must receive training in the use and care of respirators and attend a site-specific safety orientation seminar, conducted by a qualified individual. The seminar agenda shall include (1) a briefing on the work to be performed and the work schedule, (2) a discussion of the potential chemical and physical hazards associated with the work to be performed, (3) hazard identification, (4) purpose and limitations of personal protective equipment, (5) decontamination and emergency response procedures, and (6) proper on-site conduct.

Personnel, who have not been respirator fit tested must be fit tested in accordance with procedures described in "A Guide to Industrial Respiration Protection" (Pritchard, J.A. 1976, NIOSH).

6.7 Personal Hygiene

All personel shall take showers or baths at the end of each working day.

7.0 CONTAMINATION MONITORING

The only known contaminants are PCBs and arsenic. Because PCBs and arsenic are not volatile, contamination monitoring can not be performed using an organic vapor detector. Some simple procedures will be used to

minimize potential exposure to contaminants. If dust levels in the air are observed to be visually noticeable either because of field activities or windy conditions, water will be sprayed to reduce atmospheric dust (if possible). If the wind conditions are problematic in causing sufficient dust levels in the air that can not be controlled by water spraying, air purifying respirators will be required for work to continue.

8.0 DECONTAMINATION

All personnel leaving the site must remove all protective equipment and wash their hands and faces before leaving the site, before eating or drinking, and before entering any vehicle (truck, auto) or building. A shower will be taken at the motel after returning from the site to complete the decontamination process before the following meal or retiring for the day if no showers are available on-site.

Contaminated disposable protective equipment (coveralls, gloves, booties, and respirator cartridges) must be placed either in plastic bags or drums, which shall be disposed of in a manner agreeable to Transwestern Pipeline Company officials.

Augers and sampling equipment must be hosed off before they are removed from the site. Respirator face masks must be washed in a detergent solution formulated for respirator decontamination, revised, and blot- and air-dried at the end of each day.

9.0 EMERGENCY RESPONSE PROCEDURES

In the event of fire, explosion, chemical exposure, injury, and other accidents, contact an appropriate site emergency organization. The emergency organizations and their telephone numbers are listed in the main office at the station and the numbers will be written in to the Health and Safety Plan when checking in to the site.

Fire Department	
Ambulance	
Police Department	
Poison Control Center	(800) 233-3360
24-hour Hotline for Toxic Exposure Treatment	(513) 421-3063
Hospital	(24 hours)

10.0 PROHIBITED ACTIVITIES

- Eating, drinking, and smoking are prohibited on site except in areas to be designated by the Site Safety Officer.

- Individuals with facial hair that interferes with proper fit of respirators shall not be permitted to enter areas where respiratory use may be required.

- Individuals requiring vision correcting lenses are prohibited from wearing contact lenses on site; eye glasses are permitted.

11.0 PROJECT SAFETY PERSONNEL

Personnel responsible for project safety are the Project Safety Officer, the Project Manager, and the Site Safety Officer.

The Project Safety Officer is responsible for delivering the plan and any addenda to Project Manager and for advising the Project Manager and Site Safety Officer on health and safety matters. He has the authority to audit compliance with the provisions of this plan, suspend work or modify work practices for safety reasons, and to dismiss individuals whose conduct on-site endangers the health and safety of others.

The Project Manager is responsible for distributing this plan to all WCC field personnel and to an authorized representative of each firm contracted to assist with on-site work. The Project Manager is also

responsible for ensuring that the provisions of this plan and its addenda are carried out. This includes ensuring that all WCC field personnel have met WCC's medical examination requirements, that all field personnel have received adequate training, that an adequate supply of safety equipment is available, and that the required safety reports are submitted to the Project Safety Officer. The authority of the Project Manager is the same as that of the Project Safety Officer.

The Site Safety Officer is responsible for assisting the Project Manager with on-site implementation of this site safety plan. His responsibilities include: 1) maintaining safety equipment supplies, 2) performing air quality measurements, 3) directing decontamination operations and emergency response operations, 4) setting up work zone markers and signs if such zones are specified in the site safety plan, and 5) reporting all accidents, incidents, and infractions of safety rules and requirements to the Project Manager. The Site Safety Officer has the authority to suspend work anytime he determines that the provisions of the site safety plan are inadequate to ensure worker safety and inform the Project Manager of individuals whose on-site presence jeopardizes their health and safety or the health and safety of others.

The undersigned have read and understood the attached site safety plan and agree to comply with the provisions of this plan.

Ben Mangina Name	[illegible] Name
9/24/85 Date	9/24/85 Date
R. W. Landrum Name	Jay G. Kamine Name
9/24/85 Date	9/24/85 Date
Bob Ryman Name	[illegible] Name
9/24/85 Date	9/25/85 Date
Harold E McDowell Name	Ron Vial Name
9/24/85 Date	9-27-85 Date
Steve St Clair Name	P L Manuer Name
9-30-85 Date	17 OCT 1985 Date
Name	Name
Date	Date

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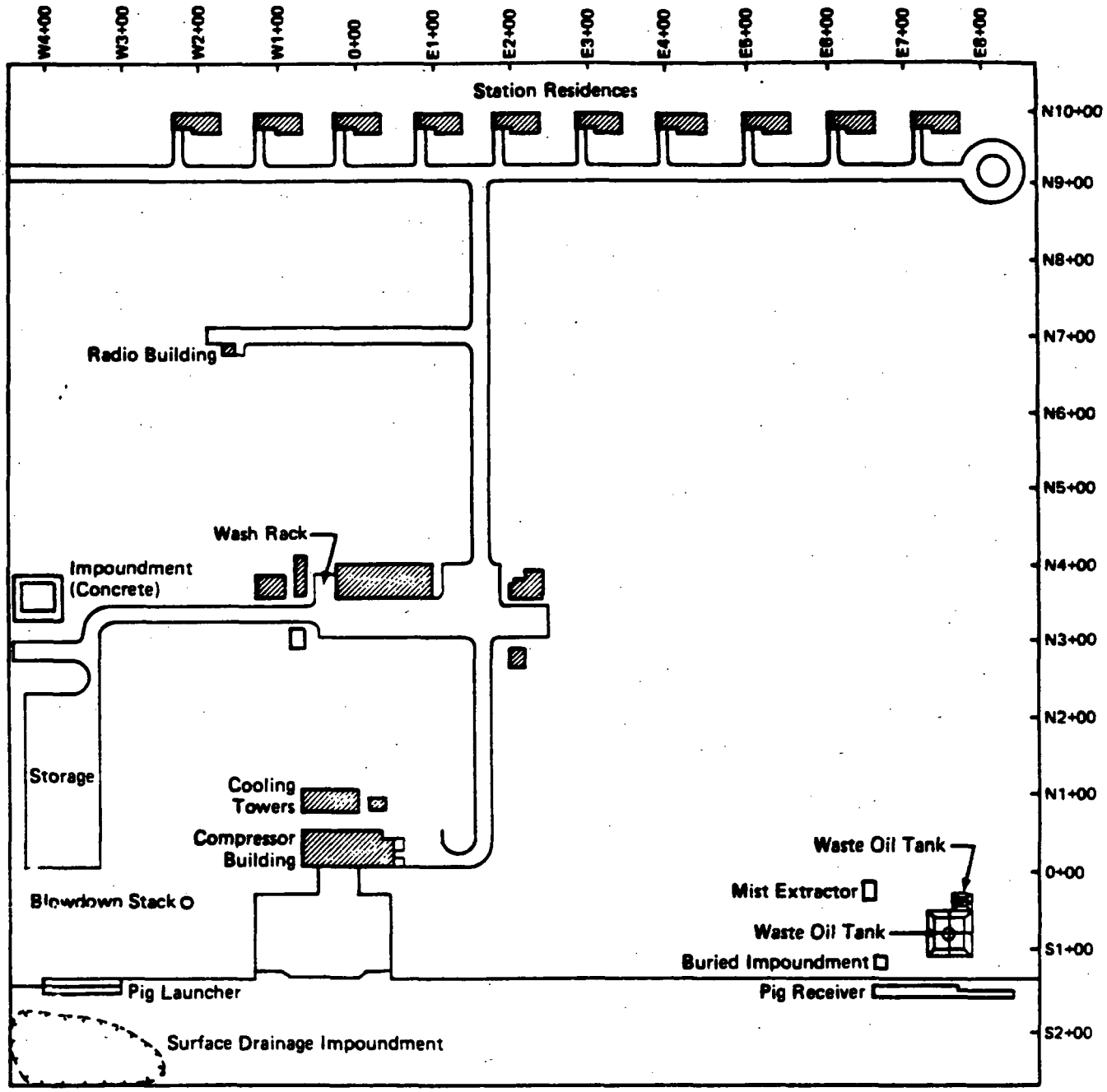
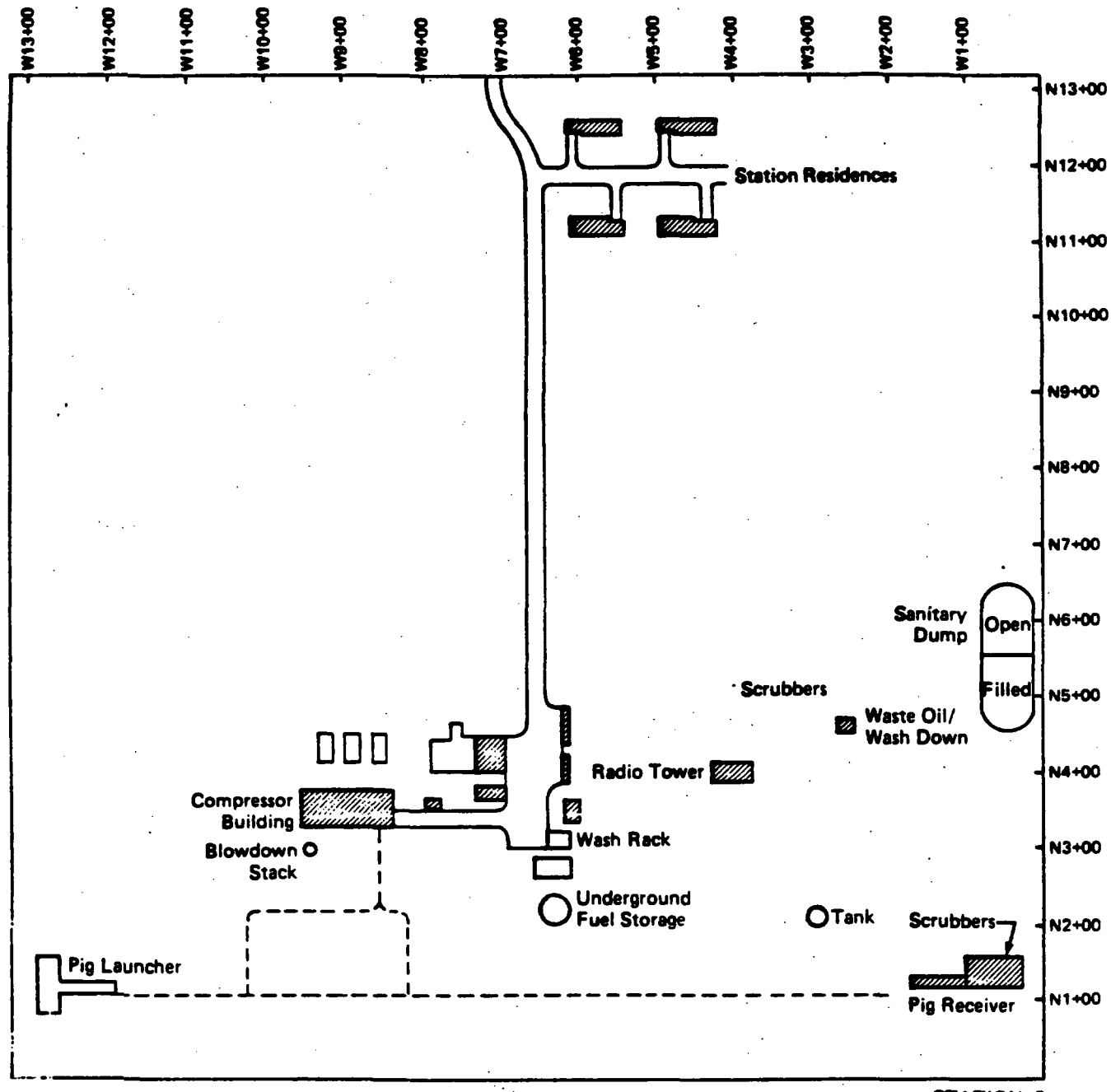


STATION 5

Project No.		THOREAU COMPRESSOR STATION	
Woodward-Clyde Consultants			

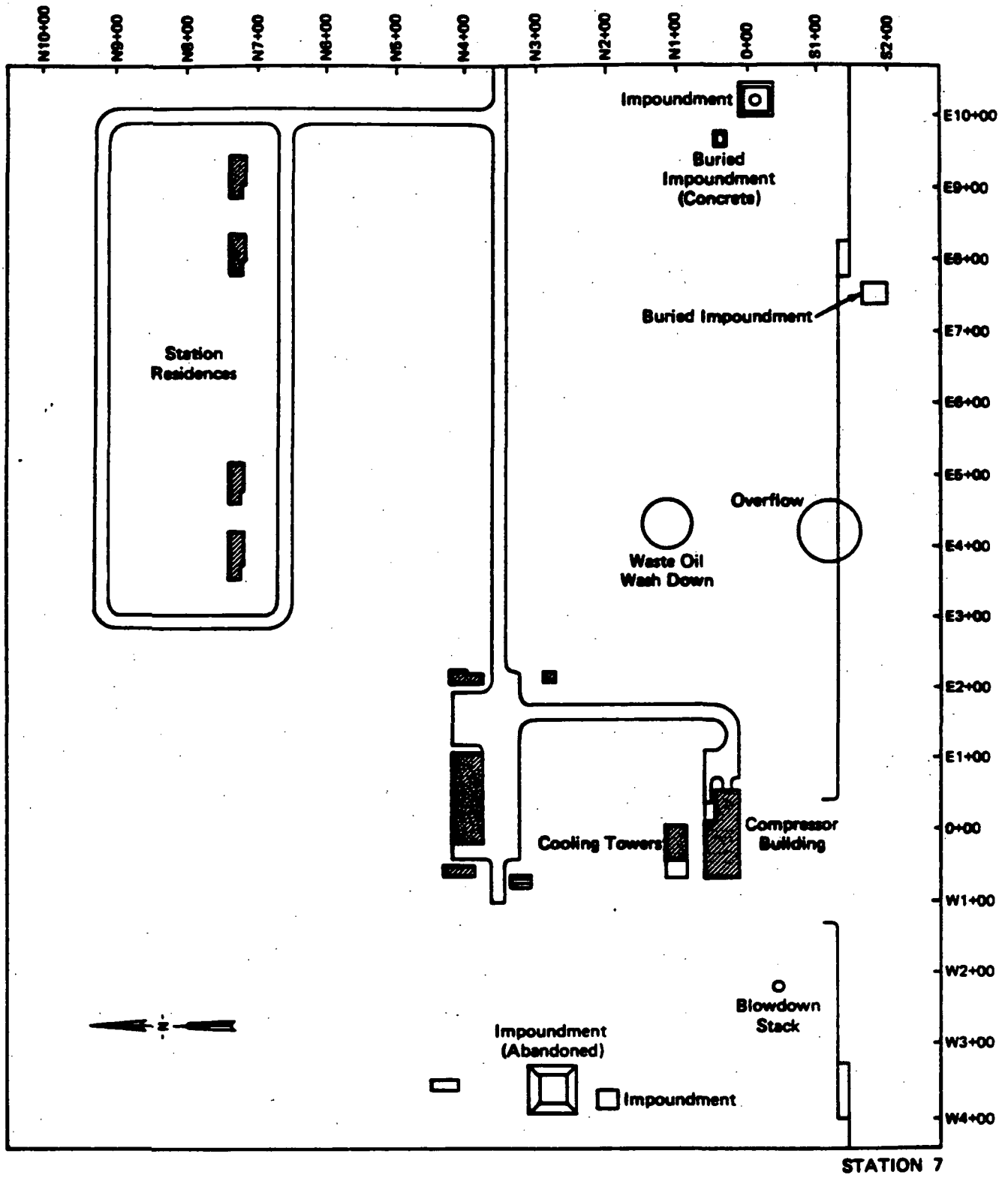
12[illegible]4[illegible]7



STATION 6

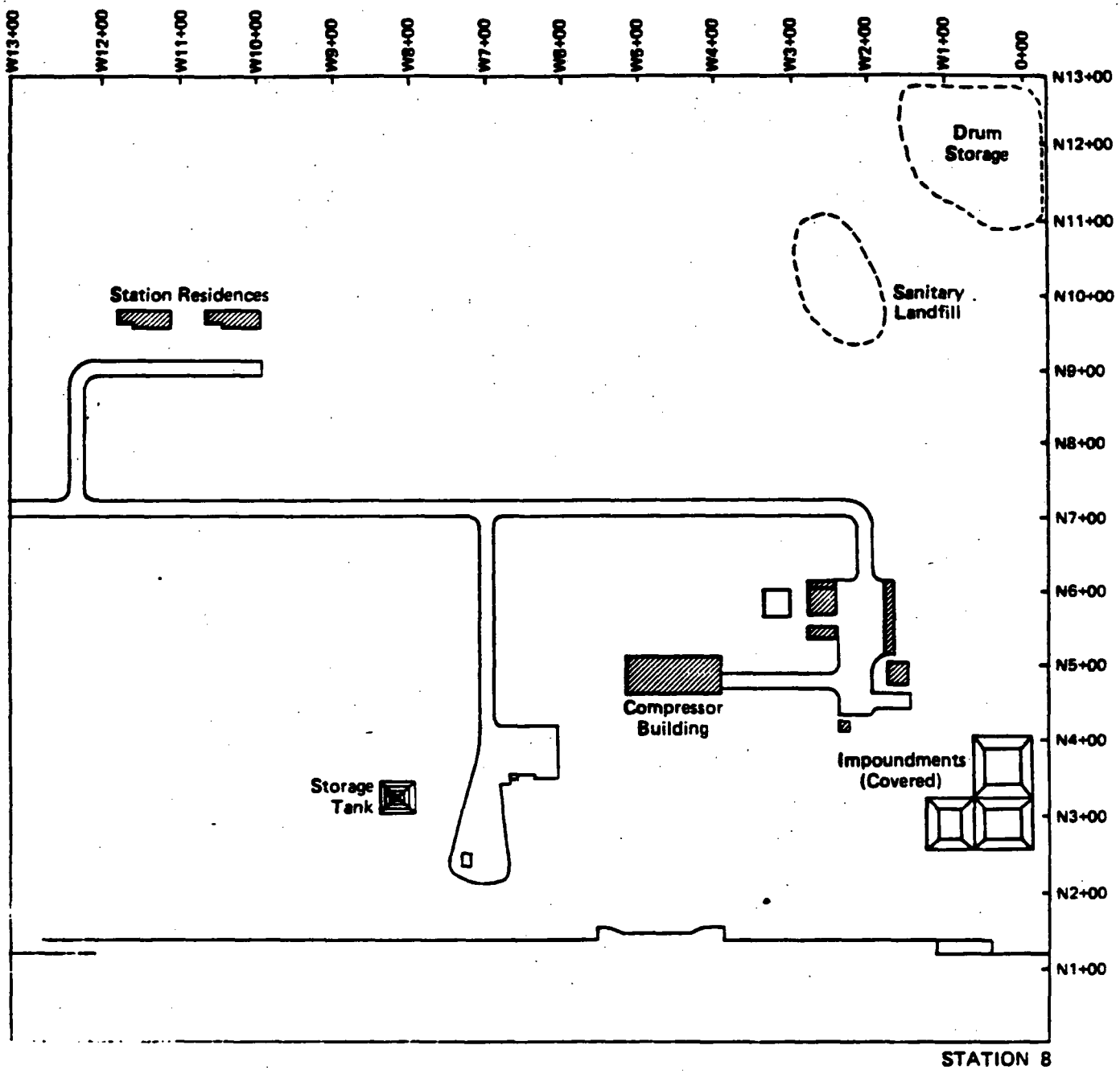
Project No.		LAGUNA COMPRESSOR STATION	
Woodward-Clyde Consultants			

1200448



Project No.		MOUNTAINAIR COMPRESSOR STATION	
Woodward-Clyde Consultants			

120413



Project No.		CORONA COMPRESSOR STATION	
Woodward-Clyde Consultants			

1200450

Occupational Health Guideline for Chlorodiphenyl (42% Chlorine)*

INTRODUCTION

This guideline is intended as a source of information for employees, employers, physicians, industrial hygienists, and other occupational health professionals who may have a need for such information. It does not attempt to present all data; rather, it presents pertinent information and data in summary form.

SUBSTANCE IDENTIFICATION

- Formula: $C_{12}H_7Cl_5$ (approximately)
- Synonyms: Polychlorinated biphenyl; PCB
- Appearance and odor: Colorless to dark liquid with a mild hydrocarbon odor.

PERMISSIBLE EXPOSURE LIMIT (PEL)

The current OSHA standard for chlorodiphenyl (42% chlorine) is 1 milligram of chlorodiphenyl (42% chlorine) per cubic meter of air (mg/m³) averaged over an eight-hour work shift. NIOSH has recommended that the permissible exposure limit for polychlorinated biphenyls be reduced to 1.0 microgram per cubic meter of air averaged over a work shift of up to 10 hours per day, 40 hours per week, and that chlorodiphenyl (42% chlorine) be regulated as an occupational carcinogen. The NIOSH Criteria Document for Polychlorinated Biphenyls should be consulted for more detailed information.

HEALTH HAZARD INFORMATION

- **Routes of exposure**

Chlorodiphenyl (42% chlorine) can affect the body if it is inhaled, if it comes in contact with the eyes or skin, or if it is swallowed. It may be absorbed through the skin. Every effort should be made to prevent skin, eye, oral, or inhalation contact with this material.

- **Effects of overexposure**

Chlorodiphenyl (42% chlorine) may cause irritation of the eyes, nose, and throat, and an acne-like skin rash. It may also injure the liver, resulting in such effects as fatigue, dark urine, and yellow jaundice. Repeated skin contact with the liquid may cause skin irritation. The production of liver tumors and adverse reproductive effects has been demonstrated in experimental animals following ingestion of polychlorinated biphenyls. The relevance to humans of some of these studies has not yet been established.

- **Reporting signs and symptoms**

A physician should be contacted if anyone develops any signs or symptoms and suspects that they are caused by exposure to chlorodiphenyl (42% chlorine).

- **Recommended medical surveillance**

The following medical procedures should be made available to each employee who is exposed to chlorodiphenyl (42% chlorine) at potentially hazardous levels:

1. Initial Medical Examination:

—A complete history and physical examination: The purpose is to detect pre-existing conditions that might place the exposed employee at increased risk, and to establish a baseline for future health monitoring. Examination of the liver and skin should be stressed. The skin should be examined for evidence of chronic disorders. Women in the work force should be advised of the potential adverse effects of chlorodiphenyl (42% chlorine) on the unborn child. Those who have borne children and work with chlorodiphenyl (42% chlorine) should be counseled concerning the advisability of nursing their offspring.

—Liver function tests: Chlorodiphenyl (42% chlorine) may cause liver damage. A profile of liver function should be obtained by utilizing a medically acceptable array of biochemical tests.

—Skin disease: Chlorodiphenyl (42% chlorine) is a defatting agent and can cause dermatitis on prolonged exposure. Persons with pre-existing skin disorders may be more susceptible to the effects of this agent.

2. Periodic Medical Examination: The aforementioned medical examinations should be repeated on an annual basis.

These recommendations reflect good industrial hygiene and medical surveillance practices and their implementation will assist in achieving an effective occupational health program. However, they may not be sufficient to achieve compliance with all requirements of OSHA regulations.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service Centers for Disease Control
National Institute for Occupational Safety and Health

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

September 1978

• **Summary of toxicology**

Chlorodiphenyl (42% chlorine) vapor is toxic to the liver and causes an acne-form dermatitis (chloracne). Guinea pigs died at intervals up to 21 days after the first of 11 daily applications of 34.5 mg to the skin and, at necropsy, the liver showed fatty degeneration and central atrophy; rats, however, survived 25 daily applications, and only slight changes in the liver were observed. The vapor and liquid are moderately irritating to eye tissues. Cases of mild to moderate skin irritation with an acne-form eruption have been reported in workers exposed to 0.1 mg/m^3; levels of 10 mg/m^3 were unbearably irritating. Several deaths due to atrophy of the liver have occurred among workers exposed to the fumes of chlorodiphenyls and chloronaphthalenes. The production of liver tumors and adverse reproductive effects has been demonstrated in experimental animals following ingestion of polychlorinated biphenyls. The relevance to humans of some of these studies has not yet been established.

CHEMICAL AND PHYSICAL PROPERTIES

• **Physical data**

1. Molecular weight: 257.5 (approximately)
2. Boiling point (760 mm Hg): 325– 366 C (617–691 F)
3. Specific gravity (water = 1): 1.38
4. Vapor density (air = 1 at boiling point of chlorodiphenyl (42% chlorine)): 8.9
5. Melting point: –19 C (-2 F) (pour point)
6. Vapor pressure at 20 C (68 F): 0.001 mm Hg
7. Solubility in water, g/100 g water at 20 C (68 F): Insoluble
8. Evaporation rate (butyl acetate = 1): Much less than 1

• **Reactivity**

1. Conditions contributing to instability: Heat
2. Incompatibilities: Contact with strong oxidizing agents may cause fires and explosions.
3. Hazardous decomposition products: Toxic gases and vapors (such as hydrogen chloride and carbon monoxide) may be released in a fire involving chlorodiphenyl (42% chlorine).
4. Special precautions: Chlorodiphenyl (42% chlorine) will attack some forms of plastics, rubber, and coatings.

• **Flammability**

1. Flash point: 176 C (349 F)
2. Autoignition temperature: None to boiling point
3. Flammable limits in air, % by volume: Not available
4. Extinguishant: Foam, dry chemical, carbon dioxide

• **Warning properties**

According to the AIHA *Hygienic Guide*, chlorodiphenyl (42% chlorine) has a typical aromatic odor and causes eye irritation. For the purposes of this guideline, however, it is treated as a material with poor warning properties, as no quantitative data are available concerning its odor and irritation thresholds. As stated in the AIHA *Hygienic Guide*, the vapors of the chlorodiphenyls are "moderately irritating to eye tissues." The concentrations causing eye irritation are not mentioned.

MONITORING AND MEASUREMENT PROCEDURES

• **General**

Measurements to determine employee exposure are best taken so that the average eight-hour exposure is based on a single eight-hour sample or on two four-hour samples. Several short-time interval samples (up to 30 minutes) may also be used to determine the average exposure level. Air samples should be taken in the employee's breathing zone (air that would most nearly represent that inhaled by the employee).

• **Method**

Sampling and analyses may be performed by collection of chlorodiphenyl (42% chlorine) on a glass fiber filter connected in a series with a midget bubbler containing iso-octane, followed by gas chromatographic analysis. A detailed analytical method for chlorodiphenyl (42% chlorine) may be obtained from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161, under the title "NIOSH Analytical Methods for Set 2" (order number PB 271

RESPIRATORS

• Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the permissible exposure level. However, there are some exceptions where respirators may be used to control exposure. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when they fail and need to be supplemented. Respirators may also be used for operations which require entry into tanks or closed vessels, and in emergency situations. If the use of respirators is necessary, the only respirators permitted are those that have been approved by the Mine Safety and Health Administration (formerly Mining Enforcement and Safety Administration) or by the National Institute for Occupational Safety and Health.

• In addition to respirator selection, a complete respiratory protection program should be instituted which includes regular training, maintenance, inspection, cleaning, and evaluation.

PERSONAL PROTECTIVE EQUIPMENT

• Employees should be provided with and required to use impervious clothing, gloves, face shields (eight-inch minimum), and other appropriate protective clothing necessary to prevent any possibility of skin contact with liquid chlorodiphenyl (42% chlorine). 1200452

• Clothing contaminated with liquid chlorodiphenyl (42% chlorine) should be placed in closed containers for storage until it can be discarded or until provision is made for the removal of chlorodiphenyl (42% chlorine) from the clothing. If the clothing is to be laundered or otherwise cleaned to remove the chlorodiphenyl (42% chlorine), the person performing the operation should be informed of chlorodiphenyl's (42% chlorine) hazardous properties.

• Non-impervious clothing which becomes contaminated with liquid chlorodiphenyl (42% chlorine) should be removed promptly and not reworn until the chlorodiphenyl (42% chlorine) is removed from the clothing.

• Employees should be provided with and required to use splash-proof safety goggles where liquid chlorodiphenyl (42% chlorine) may contact the eyes.

SANITATION

• Skin that becomes contaminated with liquid chlorodiphenyl (42% chlorine) should be promptly washed or showered with soap or mild detergent and water to remove any chlorodiphenyl (42% chlorine).

• Eating and smoking should not be permitted in areas where liquid chlorodiphenyl (42% chlorine) is handled, processed, or stored.

• Employees who handle liquid chlorodiphenyl (42% chlorine) should wash their hands thoroughly with soap or mild detergent and water before eating, smoking, or using toilet facilities.

• Areas in which exposure to chlorodiphenyl (42% chlorine) may occur should be identified by signs or other appropriate means, and access to these areas should be limited to authorized persons.

COMMON OPERATIONS AND CONTROLS

The following list includes some common operations in which exposure to chlorodiphenyl (42% chlorine) may occur and control methods which may be effective in each case:

Operation	Controls
Use as high-temperature transfer medium in chemical/food processing vessels and drying ovens	General dilution ventilation; local exhaust ventilation; personal protective equipment
Use as a dielectric in manufacture of transformers, capacitors, resistors, and other electrical apparatus	General dilution ventilation; local exhaust ventilation; personal protective equipment
Application and formulation as plasticizer, flame-retardant, and adhesive and weatherizer in spray surface coatings; manufacture and application of impregnants for cloth, paper, fiberboard, wood, and asbestos; manufacture and application of natural and synthetic waxes and polishes; manufacture and application of hot-melt and other adhesives	Process enclosure; general dilution ventilation; local exhaust ventilation; personal protective equipment
Use as non-flammable working fluid in vacuum pumps, hydraulic systems, and expansion systems	General dilution ventilation; local exhaust ventilation
Use during application of high-pressure, temperature, and moisture lubricants	Personal protective equipment
Use in compounding and processing of plastics for flame retardancy	General dilution ventilation; local exhaust ventilation; personal protective equipment
Use in manufacture and application for use as pesticides and fungicides	Personal protective equipment
Use as an intermediate or raw material in further organic synthesis	General dilution ventilation; local exhaust ventilation; personal protective equipment
Use as sealer for gaskets of natural rubber and synthetics	General dilution ventilation; local exhaust ventilation; personal protective equipment
Use as adhesive release on tapes and ink release on carbonless duplicating paper; as a pigment carrier in dyeing polyesters and paper	Personal protective equipment

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Use as a pressure adhesive for sign backings, insect traps, and tapes	General dilution ventilation; local exhaust ventilation; personal protective equipment
Use in compounding mastics, and sealing and caulking materials; use in compounding of printing inks	General dilution ventilation; local exhaust ventilation; personal protective equipment

EMERGENCY FIRST AID PROCEDURES

In the event of an emergency, institute first aid procedures and send for first aid or medical assistance.

- **Eye Exposure**

If chlorodiphenyl (42% chlorine) gets into the eyes, wash eyes immediately with large amounts of water, lifting the lower and upper lids occasionally. Get medical attention immediately. Contact lenses should not be worn when working with this chemical.

- **Skin Exposure**

If chlorodiphenyl (42% chlorine) gets on the skin, promptly wash the contaminated skin using soap or mild detergent and water. If chlorodiphenyl (42% chlorine) soaks through the clothing, remove the clothing promptly and wash the skin using soap or mild detergent and water. If irritation persists after washing, get medical attention.

- **Breathing**

If a person breathes in large amounts of chlorodiphenyl (42% chlorine), move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the affected person warm and at rest. Get medical attention as soon as possible.

- **Swallowing**

When chlorodiphenyl (42% chlorine) has been swallowed, get medical attention immediately. If medical attention is not immediately available, get the afflicted person to vomit by having him touch the back of his throat with his finger or by giving him syrup of ipecac as directed on the package. This non-prescription drug is available at most drug stores and drug counters and should be kept with emergency medical supplies in the workplace. Do not make an unconscious person vomit.

- **Rescue**

Move the affected person from the hazardous exposure. If the exposed person has been overcome, notify someone else and put into effect the established emergency rescue procedures. Do not become a casualty. Understand the facility's emergency rescue procedures and know the locations of rescue equipment before the need arises.

SPILL, LEAK, AND DISPOSAL PROCEDURES

- Persons not wearing protective equipment and clothing should be restricted from areas of spills or leaks until cleanup has been completed.
- If chlorodiphenyl (42% chlorine) is spilled or leaked, the following steps should be taken:

1. Remove all ignition sources.
2. Ventilate area of spill or leak.
3. Collect for reclamation or absorb in vermiculite, dry sand, earth, or a similar material.

- Waste disposal method:

Chlorodiphenyl (42% chlorine) may be disposed of by absorbing it in vermiculite, dry sand, earth or a similar material and disposing in a secured sanitary landfill.

REFERENCES

- American Conference of Governmental Industrial Hygienists: "Chlorodiphenyl (42% Chlorine)," *Documentation of the Threshold Limit Values for Substances in Workroom Air* (3rd ed., 2nd printing), Cincinnati, 1974.
- American Industrial Hygiene Association: "Chlorodiphenyls," *Hygienic Guide Series*, Detroit, Michigan, 1965.
- Christensen, H. E., and Luginbyhl, T. L. (eds.): *NIOSH Toxic Substances List*, 1974 Edition, HEW Publication No. 74-134, 1974.
- Fairhall, L. T.: *Industrial Toxicology* (2nd ed.), Williams and Wilkins, Baltimore, 1957.
- Kirk, R., and Othmer, D.: *Encyclopedia of Chemical Technology* (2nd ed.), Interscience, New York, 1968.
- National Institute for Occupational Safety and Health, U.S. Department of Health, Education, and Welfare: *Criteria for a Recommended Standard . . . . Occupational Exposure to Polychlorinated Biphenyls*, HEW Publication No. (NIOSH) 77-225, U.S. Government Printing Office, Washington, D.C., 1977.
- Patty, F. A. (ed.): *Toxicology*, Vol. II of *Industrial Hygiene and Toxicology* (2nd ed. rev.), Interscience, New York, 1963.

• SPECIAL NOTE

The International Agency for Research on Cancer (IARC) has evaluated the data on this chemical and has concluded that it causes cancer. See *IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man*, Volume 7, 1974, and Volume 18, 1978.

1200454

Occupational Health Guideline for Chlorodiphenyl (54% Chlorine)*

INTRODUCTION

This guideline is intended as a source of information for employees, employers, physicians, industrial hygienists, and other occupational health professionals who may have a need for such information. It does not attempt to present all data; rather, it presents pertinent information and data in summary form.

SUBSTANCE IDENTIFICATION

- Formula: $C_{12}H_5Cl_5$ (approximately)
- Synonyms: Polychlorinated biphenyl; PCB
- Appearance and odor: Pale yellow viscous liquid with a mild hydrocarbon odor.

PERMISSIBLE EXPOSURE LIMIT (PEL)

The current OSHA standard for chlorodiphenyl (54% chlorine) is 0.5 milligram of chlorodiphenyl (54% chlorine) per cubic meter of air (mg/m^3) averaged over an eight-hour work shift. NIOSH has recommended that the permissible exposure limit for polychlorinated biphenyls be reduced to 1.0 microgram per cubic meter of air averaged over a work shift of up to 10 hours per day, 40 hours per week, and that chlorodiphenyl (54% chlorine) be regulated as an occupational carcinogen. The NIOSH Criteria Document for Polychlorinated Biphenyls should be consulted for more detailed information.

HEALTH HAZARD INFORMATION

- **Routes of exposure**

Chlorodiphenyl (54% chlorine) can affect the body if it is inhaled, if it comes in contact with the eyes or skin, or if it is swallowed. It may be absorbed through the skin. Every effort should be made to prevent skin, eye, oral, or inhalation contact with this material.

- **Effects of overexposure**

Chlorodiphenyl (54% chlorine) may cause irritation of the eyes, nose, and throat, and an acne-like skin rash. It may also injure the liver, resulting in such effects as fatigue, dark urine, and yellow jaundice. Repeated skin contact with the liquid may cause skin irritation.

- **Reporting signs and symptoms**

A physician should be contacted if anyone develops any signs or symptoms and suspects that they are caused by exposure to chlorodiphenyl (54% chlorine). The production of liver tumors and adverse reproductive effects have been demonstrated in experimental animals following ingestion of polychlorinated biphenyls. The relevance to humans of some of these studies has not yet been established.

- **Recommended medical surveillance**

The following medical procedures should be made available to each employee who is exposed to chlorodiphenyl (54% chlorine) at potentially hazardous levels:

1. Initial Medical Examination:

—A complete history and physical examination: The purpose is to detect pre-existing conditions that might place the exposed employee at increased risk, and to establish a baseline for future health monitoring. Examination of the liver and skin should be stressed. Women in the work force should be advised of the potential adverse effects of chlorodiphenyl (54% chlorine) on the unborn child. Those who have borne children and work with chlorodiphenyl (54% chlorine) should be counseled concerning the advisability of nursing their offspring.

—Liver function tests: Chlorodiphenyl (54% chlorine) may cause liver damage. A profile of liver function should be obtained by utilizing a medically acceptable array of biochemical tests.

—Skin disease: Chlorodiphenyl (54% chlorine) is a defatting agent and can cause dermatitis on prolonged exposure. Persons with pre-existing skin disorders may be more susceptible to the effects of this agent.

2. Periodic Medical Examination: The aforementioned medical examinations should be repeated on an annual basis.

These recommendations reflect good industrial hygiene and medical surveillance practices and their implementation will assist in achieving an effective occupational health program. However, they may not be sufficient to achieve compliance with all requirements of OSHA regulations.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service Centers for Disease Control
National Institute for Occupational Safety and Health

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

September 1978

• **Summary of toxicology**

Chlorodiphenyl (54% chlorine) vapor is toxic to the liver. Rats exposed to 5.4 mg/m³ for 7 hours daily for 4 months showed increased liver weight and injury to the liver cells; 1.5 mg/m³ for 7 months also produced histopathologic evidence of liver damage, which was considered to be of a reversible character. The vapor and the liquid are moderately irritating to the eye; contact with skin leads to removal of natural fats and oils with subsequent drying and cracking of the skin. Acne-form dermatitis (chloracne) due to exposure to chlorodiphenyl of 54% chlorine content has been reported but the period of exposure was not indicated. The production of liver tumors and adverse reproductive effects has been demonstrated in experimental animals following ingestion of polychlorinated biphenyls. The relevance to humans of some of these studies has not yet been established.

CHEMICAL AND PHYSICAL PROPERTIES

• **Physical data**

1. Molecular weight: 326 (approximately)
2. Boiling point (760 mm Hg): 365– 390 C (689–734 F)
3. Specific gravity (water = 1): 1.5
4. Vapor density (air = 1 at boiling point of chlorodiphenyl (54% chlorine)): 11.2
5. Melting point: 10 C (50 F) (pour point)
6. Vapor pressure at 20 C (68 F): 0.00006 mm Hg
7. Solubility in water, g/100 g water at 20 C (68 F): Insoluble
8. Evaporation rate (butyl acetate = 1): Much less than 1

• **Reactivity**

1. Conditions contributing to instability: Heat
2. Incompatibilities: Contact with strong oxidizers may cause fires and explosions.
3. Hazardous decomposition products: Toxic gases and vapors (such as hydrogen chloride and carbon monoxide) may be released in a fire involving chlorodiphenyl (54% chlorine).
4. Special precautions: Chlorodiphenyl (54% chlorine) will attack some forms of plastics, rubber, and coatings.

• **Flammability**

1. Flash point: 222 C (432 F)
2. Autoignition temperature: None to boiling point
3. Flammable limits in air, % by volume: Not available
4. Extinguishant: Foam, dry chemical, carbon dioxide

• **Warning properties**

Although chlorodiphenyl (54% chlorine) has a typical aromatic odor and causes eye irritation, this substance is treated as a material with poor warning properties, as no quantitative information is available concerning its odor and irritation thresholds. The AIHA *Hygienic Guide* states that the vapors of the chlorodiphenyls are "moderately irritating to eye tissues," but the concentrations which cause irritation are not stated.

MONITORING AND MEASUREMENT PROCEDURES

• **General**

Measurements to determine employee exposure are best taken so that the average eight-hour exposure is based on a single eight-hour sample or on two four-hour samples. Several short-time interval samples (up to 30 minutes) may also be used to determine the average exposure level. Air samples should be taken in the employee's breathing zone (air that would most nearly represent that inhaled by the employee).

• **Method**

Sampling and analyses may be performed by collection of chlorodiphenyl on a filter with subsequent extraction with petroleum ether and gas chromatographic analysis. An analytical method for chlorodiphenyl (54% chlorine) is in the *NIOSH Manual of Analytical Methods*, 2nd Ed., Vol. 2, 1977, available from the Government Printing Office, Washington, D.C. 20402 (GPO No. 017-033-00260-6).

RESPIRATORS

• Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the permissible exposure level. However, there are some exceptions where respirators may be used to control exposure. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when they fail and need to be supplemented. Respirators may also be used for operations which require entry into tanks or closed vessels, and in emergency situations. If the use of respirators is necessary, the only respirators permitted are those that have been approved by the Mine Safety and Health Administration (formerly Mining Enforcement and Safety Administration) or by the National Institute for Occupational Safety and Health.

• In addition to respirator selection, a complete respiratory protection program should be instituted which includes regular training, maintenance, inspection, cleaning, and evaluation.

PERSONAL PROTECTIVE EQUIPMENT

• Employees should be provided with and required to use impervious clothing, gloves, face shields (eight-inch minimum), and other appropriate protective clothing necessary to prevent any possibility of skin contact with liquid chlorodiphenyl (54% chlorine).

• Clothing contaminated with liquid chlorodiphenyl (54% chlorine) should be placed in closed containers for storage until it can be discarded or until provision is

RESPIRATORY PROTECTION FOR CHLORODIPHENYL (42% CHLORINE)

Condition	Minimum Respiratory Protection* Required Above 1 mg/m³
Vapor Concentration	
10 mg/m³ or less	Any supplied-air respirator with a full facepiece, helmet, or hood. Any self-contained breathing apparatus with a full facepiece.
Greater than 10 mg/m³** or entry and escape from unknown concentrations	Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. A combination respirator which includes a Type C supplied-air respirator with a full facepiece operated in pressure-demand or other positive pressure or continuous-flow mode and an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive pressure mode.
Fire Fighting	Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.
Escape	Any gas mask providing protection against pesticides. Any escape self-contained breathing apparatus.

*Only NIOSH-approved or MSHA-approved equipment should be used.

**Use of supplied-air suits may be necessary to prevent skin contact while providing respiratory protection from airborne concentrations of chlorodiphenyl (42% chlorine); however, this equipment should be selected, used, and maintained under the immediate supervision of trained personnel. Where supplied-air suits are used above a concentration of 10 mg/m³, an auxiliary self-contained breathing apparatus operated in positive pressure mode should also be worn.

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ADDENDUM 1

TPC - EPA REGION 6

Administrative Information

WCC Project Number:	90158B
Project Manager:	Robert W. Castle
Project Safety Officer:	David Liu
Site Safety Officer:	Fred Wehrenberg
Plan Preparer:	Jay Kamine
Date of Issue:	16 September 1985

Application

This addendum will become effective immediately as of this date and become part of the Site Safety Plan at TPC - Region 6.

1) Paragraph 6.1 Personnel Protective Equipment Change Respiratory Protection to read:

General

The use of respiratory protection will be left to the discretion of the Site Safety Officer. Use shall be mandatory when respiratory hazards exist. Protection will consist of full-face air purifying respirators or half-mask air purifying respirators and goggles, with NIOSH-approved cartridges for protection against organic vapors and dusts, mists and fumes.

Safety precautions to be utilized when sampling in and around landfills:

Oils containing PCB-contaminated petroleum hydrocarbons are known to have been burned in the landfill at Laguna. This practice may have occurred at other sites. Low temperature combustion of PCB's results in the formation of Dibenzofurans (DBF). While the expected concentrations of these materials is expected to be extremely low, they are very toxic and will require additional safety precautions. DBF's are not volatile. The primary exposure pathways include inhalation of contaminated dust particles and absorption through the skin. Additional safety precautions are also advisable when sampling in and around the landfills to protect against possible organic vapors and biologic materials. Primary exposure risk in these cases is through inhalation.

Nonessential personnel will be excluded from the immediate sampling area.

Level C protection is required for landfill sampling. Respiratory protection will include use of respirators equipped with combination organic vapor/particulate canisters or organic vapor ~~canisters~~ cartridges with external particular filters. ~~Tyvek~~ Saranex suits will be used. Suit sealing will be emphasized to minimize skin exposure. To the degree practical, sampling periods will be restricted to mornings and evenings to minimize heat exposure.

Particular care will be exercised with regard to decontamination after completion of sampling. Suited personnel will be transported to the decontamination area in visqueen-lined vehicle. The decontamination procedure

APPENDIX B
QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION

1200462

QUALITY ASSURANCE/QUALITY CONTROL REPORT

FOR SOIL SAMPLES

SUBMITTED BY WOODWARD CLYDE

ANALYZED FOR PCB ANALYSIS

Controls for Environmental Pollution, Inc.
Santa Fe, New Mexico 87502

1200463

Controls for Environmental Pollution, Inc.

1925 Rosina • P. O. Box 5351 • Santa Fe, New Mexico 87502 • Telephone 505 982-9841

December 20, 1985

Woodward Clyde
100 Pringle Avenue
Walnut Creek, CA 94596

Attention: Judy Nedoff

Reference: Invoice Number 512224

Dear Judy:

Enclosed is a copy of the Quality Assurance/Quality Control report you requested for the soil samples sent to us for PCB analysis. The analytical standards and samples are listed in the order and dates the analysis was performed. Also included is a summary of the method we used for the soil sample preparation along with the original methods for soil and oil analysis for PCB's.

Feel free to contact us if you have any questions concerning the data, methodology, or the QA/QC report.

Very truly yours,

CONTROLS FOR ENVIRONMENTAL POLLUTION, INC.

James J. Mueller
President

JJM:als

1200464

Summary of method of PCB analysis in soil samples

Approximately 50 grams of sample is placed in an aluminum weigh boat, placed in a 100°C oven and allowed to dry for approximately eight hours. The sample is then transfered to a dessicator and allowed to cool to room temperature. 30 grams of sample is weighed out, extracted 3 times with 60 mls of 1:1 methylene chloride: acetone. Each extract is decanted and filtered through Whatman #41 filter paper into a 500 ml ground glass Erlenmyer flask. On the final extraction the soil sample is transfered into the filter paper and rised with the methylene chloride: acetone solvent mixture. 10 mls of hexane is added and a three ball Macro Snyder column placed on the Erlenmyer flask. The sample is placed on a steam table and allowed to concentrate to approximately 5 mls. It is then quantitatively transfered to a 15 ml concentrator tube and concentrated to 1 ml using nitrogen blow-down technique; or if necessary, concentrated to 0.5 ml and diluted to 1 ml with acetone for alumina clean up. The concentrate is quantatively transfered, diluted to its respective volume and analyzed.

QA/QC

Three or more quantitation standards were run on each day to determine detector linearity. Reagent blank analysis on the extract solvent and glassware were performed on a weekly basis and included in the QA report. Duplicate analyses were run on a 10 percent frequency. Recovery spikes of PCB 1242 were run on a frequency of 20 percent as specified by the contractor. The matrix for the recovery spikes was supplied by CEP; it was a typical soil sample characteristic of southwest soils. The recovery samples were treated exactly as the client samples with the Arochlor being added before the predried, preweighed sample was placed in the oven. Accurate records of the sample preparation were collected. Chromatograms of samples and standards were filed in folders according to the day they were run. Data books were used to record all calculated standards and sample data. Dilutions were necessary for many samples; the chromatograms were retained but not recorded in the data books.

Gas Chromatographs
Instrument #1
Varian 6000
Column - 15.0 meter, OV-17, 0.25 mm fused silica capillary column
Detector - Electron capture detector
Temperature program initial temperature 180°C
hold 2 minutes
Ramp at 10°/min. to final temperature of 230°C
Integrator used - Varian 402 integrator

Instrument #2
Varian 3700
Column - Supelcoport (100/120 mesh) coated with 1.5% SP-2250/1.95% SP-2401 packed in a 1.8 m long X 4 mm ID glass column
Detector - Electron capture detector
Temperature program initial temperature 180°C
hold 1 minute
Ramp at 8°/min. to final temperature of 225°C
Integrator used - Hewlett-Packard 3390

October 7, 1985

PCB 1242 STD	0.5 ug/ml	PCB 1221 STD	0.5 ug/ml
	5.0 ug/ml		5.0 ug/ml
	25.0 ug/ml		25.0 ug/ml
	50.0 ug/ml		50.0 ug/ml
B8000-10			
B8000-20			
B8000-30			
B8001-10			
B8003-11.75			
B8003-15			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
B8004-22			
B8004-28			
B8009-6.5			
B8010-12			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml

October 9, 1985

PCB 1242 STD	25.0 ug/ml	PCB 1221 STD	25.0 ug/ml
	5.0 ug/ml		10.0 ug/ml
	0.5 ug/ml		1.0 ug/ml

Reagent Blank (No PCB Peaks Detected)

B8018-05			
B8002-10			
B8002-25			
B8003-15			
B8011-05			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
B8007-08	380 ug/kg		
B8007-08 Process Dup.	480 ug/kg		
B8009-08			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml

October 10, 1985

PCB 1242 STD	0.5 ug/ml	PCB 1221 STD	1.0 ug/ml
	5.0 ug/ml		10.0 ug/ml
	25 ug/ml		25.0 ug/ml
B8019-20			
B8005-18.5			
B8012-20			
B8012-20 Process Dup.			
B8016-15			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
B8004-10	91.6 ug/kg		
B8004-10 Process Dup.	106 ug/kg		
B8001-20			
B8013-10			
B8013-15			
B8014-10			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
B8014-15			
B8015-10			
B1016-05			
B8017-19.5			
B8017-25.5	< 20 ug/kg		
B8017-25.5 Process Dup.	< 20 ug/kg		
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
B8018-10			
#9096			
#9097			
B8010-8.5			
B8012-10			
PCB 1221 STD	250 ug/ml		
	10.0 ug/ml		
	1.0 ug/ml		
PCB 1242 STD	5.0 ug/ml		
	0.5 ug/ml		

October 14

PCB 1242 Standard	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	25.0 ug/ml		
	10.0 ug/ml		
	1.0 ug/ml		
#6105			
#6117			
#7145			
#6111			
#6113			
#6122	78,000 ug/k		
#6122 Process Dup.	83,000 ug/kg		
PCB 1242	5.0 ug/l	Calculated Value	4.9 ug/ml
#6154			
Process Blank - no calibration peaks found			
#9088	350 ug/kg		
#9088 Process Dup.	430 ug/kg		
#6107			
#6112	< 20 ug/kg		
#6112 Process Dup.	< 20 ug/kg		
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
#7150			
B8019-10			
9079			
9088			
6108			
6109			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
6116			
PCB 1242	25.0 ug/ml	Calculated Value	24.3 ug/ml

October 15, 1985

PCB 1221 Standard	1.0 ug/ml		
	10.0 ug/ml		
	25.0 ug/ml		
PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
	50.0 ug/ml		

Process blank - No calibration peaks detected

B8006-05			
B8004-28			
PCB 1242	5.0	Calculated Value	5.1 ug/ml
B8005-10			
B8005-14			
B8006-5			
PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		

October 16

PCB 1242 Standard	50.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	25.0 ug/ml		
	10.0 ug/ml		

Process Blank - no calibration peaks found.

#7186	1650 ug/kg		
#7181			
#7186 Process Dup.	1280 ug/kg		
#7193			
#7197			
PCB 1242	5.0 ug/ml	Calculated Value	5.2 ug/ml
#8113			
#10032			

1200470

October 16 (continued)

#12050

PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
PCB 1242 Standard	50.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	5.0 ug/ml		
	10.0 ug/ml		

Process Blank - no calibration peaks detected

#7182

#7185

#7192	1800 ug/kg

#7196

#10041	84,000 ug/kg
#10041 Process Dup.	84,000 ug/kg

PCB 1242	5.0	Calculated Value	4.9 ug/ml
PCB 1221	10	Calculated Value	9.8 ug/ml
Recovery PCB 1242	5.0 ug/ml Standard	Calculated Recovery	5.0 ug/ml (100%)

#10034

#10040

#11012

#12052

PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml

Blank - no calculation peaks found

Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	5.2 ug/ml (104%)

#7192 Dup. injection

#7177

#7178	6350 ug/kg
#7178 Process Dup.	6820 ug/kg

#7179

PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml

B8002-30

B8007-0.5

B8007-6.5

PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml

October 17

PCB 1242 Standard	25.0 ug/ml		
	5.0		
	0.5		
PCB 1221 Standard	25.0 ug/ml		
Blank - no calibration peaks found			
#8108			
#7191			
#10033			
#10038			
#11010			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
#11013			
#12053			
#12054			
#7187			
#9073			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
#7188			
PCB 1221	10.0 ug/ml		
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	4.7 ug/ml (94%)
Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	4.2 ug/ml (83%)
B8008-03			
B8011-10			
B8017-10			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
Recovery PCB 1242	5.0 ug/ml		
B8001-20			
B8002-10			
B8004-15			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml

1200472

October 18, 1985

PCB 1242 Standard	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	10.0 ug/ml		
	25.0 ug/ml		
Blank - no calibration peaks found			
PCB 1242 Standard	5.0 ug/ml		
#7195			
#10031			
#11009			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
#11009			
#10035			
B8008-06			
#9086			
#9091			
#9078	1,300,000 ug/kg		
#9078 Process Dup.	1,400,000 ug/kg		
PCB 1242	5.0 ug/ml		5.0 ug/ml
PCB 1242 Standard	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	25.0 ug/ml		
	10.0 ug/ml		
	1.0 ug/ml		
Recovery	2.50 ug/ml	PCB 1242 Calculated Recovery	2.36 ug/ml (94%)
#11008	77,000 ug/kg		
#10037			
PCB 1242	50.0 ug/ml	Calculated Value	46.9 ug/ml
Process Blank - no calibration peaks found			
#10039			
#12049			
PCB 1242	5.0 ug/ml	Calculated Value	4.6 ug/ml
#11008	75,500	Dup. Injection	

October 18 (continued)

#8107

#9080

#9077

PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml

October 19

PCB 1242 Standard	5.0 ug/ml		
*Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	4.50 ug/ml (90%)

Blank - no calibration peaks found

#9094

#9092

9093

B6003-13

B6002-2

PCB 1242	2.5 ug/ml	Calculated Value	25.9 ug/ml
PCB 1242	5.0 ug/ml	Calculated Value	5.5 ug/ml
PCB 1242	0.5 ug/ml	Calculated Value	0.6 ug/ml

October 21

PCB 1240 Standard	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	25.0		
	10.0		

Blank - no calibration peaks found

B6000-15

B6002-08

B6000-15

Recovery PCB 1242	5.00 ug/ml	Calculated Recovery	4.35 ug/ml (87%)
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml

B6001-19

B6001-4

October 21 (continued)

PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
PCB 1242 Standard	50.0 ug/ml		
	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	2.50 ug/ml		
	25.0 ug/ml		
	10.0 ug/ml		
	0.5 ug/ml		
#9082			
#9075			
#9076			
Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	4.58 ug/ml (92%)
Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	4.66 ug/ml (93%)
B6005-20			
#9084			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
9074			
9085			
9090			
9089			
9095			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
PCB 1242 Standard	0.5 ug/ml		

October 22

PCB 1242 Standard	25.0 ug/ml
	5.0 ug/ml
	0.5 ug/ml
PCB 1221 Standard	25.0 ug/ml
	10.0 ug/ml

Blank - no calibration peaks found

B6003-8

B6005-2

October 22 (continued)

B6004-8			
B6005-16.5			
B6006-B.5			
B6006-4.5			
PCB 1242	5.0 ug/ml	Calculated Value	4.5 ug/ml
B6006-9.5			
B6006-11			
9081			
9083			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
PCB 1221 Standard	10.0 ug/ml		
PCB 1242 Standard	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
PCB 1221 Standard	25.0 ug/ml		
Blank - no calibration peaks found			
B6005-20 Process Dup.	225 ug/kg		
B6008-6.5	700 ug/kg		
B6008-6.5 Process Dup.	679 ug/kg		
B6009-4			
B7000-05			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
B6005-20	385 ug/kg		
B6006-3.5			
B6009-10			
Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	4.61 ug/ml (92%)
B6003-03			
B6003-08			
PCB 1242-	25.0 ug/ml	Calculated Value	25.2 ug/ml
#8112			
#9007			
PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		

October 22 (continued)

PCB 1221 Standard	1221-1 ug/ml		
	1221-10 ug/ml		
	1221-25 ug/ml		

October 24, 1985

PCB Standard 1242	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
Proces Blank - no calibration peaks found			
#6115	< 20 ug/kg		
#6115 Process Dup.	< 20 ug/kg		
#6120			
#6144			
#6132			
#7151			
PCB 1242	5.0 ug/ml	Calculated Value	4.8 ug/ml
#7152			
#7153			
#7151			
#6110			
6118			
#6121			
#6130			
PCB 1242	5.0 ug/ml	Calculated Value	4.91 ug/ml
#6134			
#6135			
#6142			
#6103	3200 ug/kg		
#6103 Process Dup.	3850 ug/kg		
#6104			
PCB 1242	5.0 ug/ml	Calculated Value	4.8 ug/ml
Recovery	5.0 ug/ml	Calculated recovery	4.81 ug/ml (98%)
PCB 1242	25.0 ug/ml	Calculated Value	26.8 ug/ml
#6106			

October 24 (continued)

#7170			
#7169			
#7167			
#7166			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
#7177			
#7173			
#7174			
#7175			
9087			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
#7156			
PCB 1242 Standard	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
#6114			
#6123			
#7146			
#7150			
PCB 1242	5.0 ug/ml	Calculated Value	4.7 ug/ml
#6119			
#6140			
#6140			
#6121			
#6136			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
#7172			

October 28

PCB 1262 Standard	50.0 ug/ml		
PCB 1242 Standard	50.0 ug/ml		
	5.0		
	0.5		
#9168			
#6124			
#6138			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
#7155			
#6139			
#6152			
#6146			
#6143			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
#6145			
#6153			
PCB 1242	25.0 ug/ml	Calculated Value	27.2 ug/ml

October 29

PCB 1242 Standard	5.0 ug/ml		
	25.0 ug/ml		
	10.0 ug/ml		
	0.5 ug/ml		
Process Blank - no calibration peaks found			
#6123			
#6128			
#6137	4150 ug/kg		
#6137 Process Dup.	36,700 ug/kg		
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
#7148	35,300 ug/kg		
#7148 Process Dup.	36,700 ug/kg		
#7157			
#7159			

October 29 (continued)

#7160			
#7162			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
#7149			
#7147			
#7161			
#7163	6400 ug/kg		
#7163 Process Dup.	5810 ug/kg		
#7165			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
#7164			
#7168			
Recovery	2.5 ug/ml	Calculated Recovery	2.75 ug/ml (110%)
#7176	6900 ug/kg		
#7176 Process Dup.	6900 ug/kg		
#7180			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
#6126			
#6127			
#6129			
#6133	5020 ug/kg		
#6133 Process Dup.	4510 ug/kg		
#6131			
PCB1242	5.0 ug/ml	Calculated Value	4.8 ug/ml
#6141			
#7154			
#7158	1568 ug/kg		
#7158 Process Dup.	1710 ug/kg		
PCB 1242 Standard	50.0 ug/ml		
	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		

1200430

October 31

PCB 1242 Standard	5.0 ug/ml		
	25.0 ug/ml		
	0.5 ug/ml		
Blank - no calibration peaks detected			
B6000-05			
B6005-6.5			
B6005-10			
B6005-15			
PCB 1242	5.0 ug/ml	Calculated Value	5.3 ug/ml
B6007-4			
B7000-GR			
B7002-05			
B7002-GR			
B7002-05			
PCB 1242-	5.0 ug/ml	Calculated Value	5.2 ug/ml

November 1, 1985

PCB 1242 Standard	5.0 ug/ml		
	0.5 ug/ml		
	25.0 ug/ml		
Blank - no calibration peaks found			
B6007-08			
B6007-12			
B6008-08			
B6008-13			
B6009-08			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
B6010-05			
B6010-10			
B7002-8			
B7004-05	415 ug/kg		
B7001-8.5	1.99 ug/ml		
Recovery, PCB 1242	2.5 ug/ml	Calculated Recovery	2.01 ug/ml (80%)

November 1 (continued)

Recovery PCB 1242	2.5 ug/ml	Calculated Recovery	2.1 ug/ml (84%)
PCB 1242	5.0 ug/ml	Calculated Value	4.5 ug/ml
#8112	20,000 ug/kg		
#8112 Process Dup.	18,000 ug/kg		
#7194			
B6004-3.5			
B6004-6.5			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml

November 2

PCB 1242 Standard	5.0 ug/ml		
	0.5 ug/ml		
	25.0 ug/ml		
	50.0 ug/ml		
Recovery PCB 12.42	2.5 ug/ml	Calculated Recovery	2.35 ug/ml (94%)
Process Blank - no calibration peaks found			
B7002-6.5			
B7002-15			
B7003-10			
B7005-10			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
B7006-05			
B7007-05			
B7008-08			
B7008-09	2,200 ug/kg		
B7008-09 Process Dup.	1,500 ug/kg		
B7010-15			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
PCB 1242 Standards	5.0 ug/ml		
	0.5 ug/ml		
	25.0 ug/ml		
	50.0 ug/ml		
Process Blank - no calibration peaks found			
B7002-9.5			
B7003-6.5			
B7004-08	2,700 ug/kg		

November 2 (continued)

B7005-08

B7004-08 Process duplicate 2,100 ug/kg

PCB 1242	5.0 ug/ml	Calculated Value	4.5 ug/ml

B7006-10

B7007-8.5

B7008-6.5

B7009-05

B7009-08

B7010-10

PCB 1242	5.0 ug/ml	Calculated Value	4.5 ug/ml

November 4

PCB 1242 Standard	0.5 ug/ml
	5.0 ug/ml
	50.0 ug/ml

Blank - no calibration peaks found

#6147

#6149

#6150

#7144

#8111

PCB 1242	5.0 ug/ml		5.1 ug/ml
*Recovery PCB 1242	5.0 ug/ml	Calculated Recovery	4.88 ug/ml (98%)
PCB 1242	5.0 ug/ml	Calculated Value	4.85 ug/ml (97%)

*Sample Sample spike, 100 ml of 5.0 ug/ml of PCB 1242 added to sample #6148, 4.85 ug/ml recovered, percent recovery 97%.

#5156

#8114

#8115

#8116

#8117

***Florisil clean up procedure was used on the oil samples; the recovery and sample sample spike were both run through Florisil columns.**

1200433

November 4 (continued)

PCB 1242	25.0 ug/ml	Calculated Value	24.8 ug/ml
#8119			
#8121	1,730 ug/kg		
#8121 Process Dup.	1,610 ug/kg		
#6155			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
PCB Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
	50.0 ug/ml		
Blank - no calibration peaks detected			
B7010-08			
#8110			
PCB 1242	5.0 ug/ml	Calculated Value	5.4 ug/ml
#8109			
#7183			
#7184			
#7188			
#7189			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
B6006-15			
B6001-4 Process Dup.	1,300 ug/kg		
B6005-3.5			
#8118			
#8120			
#8122			
PCB 1242	5.0 ug/ml	Calculated Value	5.4 ug/ml
PCB 1242	0.5 ug/ml	Calculated Value	0.5 ug/ml

November 5

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	50.0 ug/ml		
Process Blank - no calibration peaks found			
#8123			
#8127			
#8125			
#8129			
#8131	1,810 ug/kg		
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
#8131 Process Dup.	1,500 ug/kg		
#8133			
#8134			
#8135			
#8136			
#8137			
PCB 1242	5.0 ug/ml		5.1 ug/ml
Recovery	5.0 ug/ml	PCB 1242 Calculated Recovery	4.96 ug/ml (96%)
B7004-05	320 ug/kg		
B7004-05 Process Dup.	390 ug/kg		
#8138			
PCB 1242	5.0 ug/ml	Calculated Value	4.8 ug/ml
PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	50.0 ug/ml		
Blank - no calibration peaks found			
#8124			
#8125			
#8128			
#8130			
#8139			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
#8132			
#8140	1,340 ug/kg		

120435

November 5 (continued)

#8140 Process Dup. 1,050 ug/kg

PCB 1242 5.0 ug/ml Calculated Value 5.0 ug/ml

Recovery PCB 1242 5.0 ug/ml Calculated Recovery 4.75 ug/ml (95%)

November 6

PCB 1242 Standard 0.5 ug/ml

5.0 ug/ml

25.0 ug/ml

Blank - no calibration peaks found

9097

9098

9099

9100

9101

PCB 1242 5.0 ug/ml Calculated Value 4.6 ug/ml

9102

9103

9104

9105

9106 345,000 ug/kg

PCB 1242 5.0 ug/ml 5.1 ug/ml

9107

PCB 1242 Standard 0.5 ug/ml

5.0 ug/ml

25.0 ug/ml

Process Blank - no calibration peaks found

9108 115,000 ug/kg

9109

9110

9111

9112

PCB 1242 5.0 ug/ml Calculated Value 5.1 ug/ml

9113

1200486

November 6 (continued)

9114

9115

9116 101,000 ug/kg

9117

9108 Process Dup. 102,000 ug/kg

PCB 1242 5.0 ug/ml Calculated Value 5.2 ug/ml

Recovery PCB 1242 ug/ml Calculated Recovery 3.95 ug/ml (79%)

9118

9119

9120

PCB 1242 5.0 ug/ml Calculated Value 5.2 ug/ml

November 8

PCB 1242 Standard 0.5 ug/ml

5.0 ug/ml

25.0 ug/ml

Blank - no calibration peaks found

9121

9122

9123

9124

9125

PCB 1242 5.0 ug/ml Calculated Value 4.9 ug/ml

9126 106,500 ug/kg

9126 Process Dup. 108,500 ug/kg

9116 Process Dup. 94,500 ug/kg

9106 Process Dup. 488,000 ug/kg

9127

9128

9129

PCB 1242 5.0 ug/ml Calculated Value 4.5 ug/ml

1200487

November 11

PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
Blank - no calibration peaks found			
9130			
9131			
9132			
9133			
9134			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
Blank - no calibration peaks found			
9130			
9131			
9132			
9133			
9134			
PCB 1242	5.0 ug/ml	Calculated Value	4.5 ug/ml
9135			
9136	270,000 ug/kg		
9136 Process Dup.	300,000 ug/kg		
PCB 1242 Standard	25.0 ug/ml		
	5.0 ug/ml		
	0.5 ug/ml		
9137			
9138			

November 12

PCB 1242 Standard	5.0 ug/ml
	0.5 ug/ml
	25.0 ug/ml
Blank - no calibration peaks found	
9139	
9140	
9141	
9142	

November 12 (continued)

9143			
PCB 1242	5.0 ug/ml	Calculated Value	5.2 ug/ml
9144			
9145			
9146			
9147			
9148	335,000 ug/kg		
9148 Process Dup.	340,000 ug/kg		
PCB 1242	5.0 ug/ml	Calculated Value 5.1 ug/ml	
9149			
9150			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml

November 13

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
9151			
9152			
9153			
9154			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
9155			
9156			
9157			
9158	13,500 ug/kg		
PCB 1242	5.0 ug/ml	Calculated Value	4.8 ug/ml

November 14

PCB 1242 Standards	0.5 ug/ml
	5.0 ug/ml
	25.0 ug/ml

November 14 (continued)

Process blank - no calibration peaks found

9158 Process Dup.	16,300 ug/kg		
9159			
9160			
9161			
9162			
PCB 1242	5.0 ug/ml	Calculated Value	5.2 ug/ml
9163			
9164			
9165			
9166			
9167			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
9168	<20 ug/kg		
9168 Process Dup.	<20 ug/kg		

November 19

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		

Blank - no calibration peaks found

9174			
9175			
9176			
9169			
9170			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
9171			
9172			
9173			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
9177			
9178			

1200430

November 19 (continued)

9179			
9180			
PCB 1242	5.0 ug/ml	Calculated Value	5.0ug/ml
9181			
9182			
9183			
PCB 1242	5.0 ug/ml	Calculated Value	5.4 ug/ml
9184			
9185			
9186			
9187			
9188			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
9189			
9190			
PCB 1242	5.0 ug/ml	Calculated Value	4.8 ug/ml

November 20

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
Process blank - no calibration peaks found			
9197	161,000 ug/ml		
9191			
9192			
9193			
9195			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
9200	1,265,500 ug/kg		
9200 Process Dup.	1,259,000 ug/kg		

November 21

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
Process blank - no calibration peaks found			
B9001-06	76,100 ug/ml		
B9001-06 Process Dup.	93,500 ug/ml		
B9001-09			
B9004-03			
PCB 1242	5.0 ug/ml	Calculated Value	5.3 ug/ml
PCB 1242	5.0 ug/ml	Calculated Value	5.3 ug/ml
Recovery	5.0 ug/ml	Calculated Recovery	5.0 ug/ml (100%)

November 22

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
9196			
9197 Process Dup.	187,000 ug/kg		
9194			
9195			
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml
9198			
9199			
9206			
9214			
PCB 1242	5.0 ug/ml	Calculated Value	5.2 ug/ml
B9000-05			
B9000-05			
B9000-07			
B9000-09			
PCB 1242	5.0 ug/ml	Calculated Value	5.3 ug/ml

November 25

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
Blank - no calibration peaks found			
9207			
9208			
9209	195,500 ug/kg		
9210			
9211			
PCB 1242	25.0 ug/ml	Calculated Value	24.4 ug/ml

November 26

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
Blank - no calibration peaks found			
9212			
919.4			
9209 Process Dup.	141,000 ug/kg		
9213			
B9003-03			
B9003-07			
B9002-03			
PCB 1242	5.0 ug/ml	Calculated Value	5.1 ug/ml
PCB 1242	5.0 ug/ml	Calculated Value	5.0 ug/ml

November 27

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
Blank - no calibration peaks found			
9201			
B9005-03			
PCB 1242	25.0 ug/ml	Calculated Value	24.9 ug/ml
PCB 1242	50.0 ug/ml	Calculated Value	48.1 ug/ml
B9005-05			
B9005-07			
B9005-14	268,000 ug/kg		
B9005-14 Process Dup.	292,000 ug/kg		
PCB 1242	5.0 ug/ml	Calculated Value	4.8 ug/ml

December 2

PCB 1242 Standard	0.5 ug/ml		
	5.0 ug/ml		
	25.0 ug/ml		
B9006-07			
B9007-05			
B9008-03			
B9009-05			
PCB 1242	5.0 ug/ml	Calculated Value	5.3 ug/ml
B9010-05			
B9010-10			
PCB 1242	5.0 ug/ml	Calculated Value	4.9 ug/ml
9201			
9202			
9203			
PCB 1242	25.0 ug/ml	Calculated Value	21.8 ug/ml

1200494

APPENDIX C
BORING LOGS

LEGEND SHEET FOR BORING LOGS

BORING LOG SYMBOLS

- Modified California Sampler(push)
- Modified California Sampler (blow-count)
- Standard Penetration Sampler (Terzaghi, blow-count)
- No Sample Recovered
- Shelby Tube (push)
- First water encountered
- Measured water level

MONITORING WELL SYMBOLS

- Concrete Seal
- Bentonite Seal
- Sand Pack
- Native Backfill
- Slotted Section of casing
- Blank Section of casing
- Measured Water Level

LITHOLOGIES

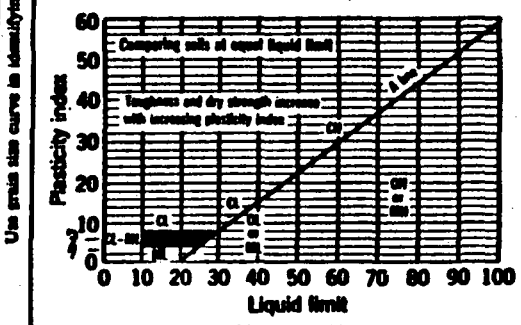
- CLAY
- Silty CLAY
- Sandy CLAY
- SILT
- Clayey SILT
- Sandy SILT
- SAND
- Clayey SAND
- Silty SAND
- All Gravels
- Bedrock
- Fill
- Asphalt/Concrete

1200497

Unified Soil Classification

Field Identification Procedures (Excluding particles larger than 3 in. and basing fractions on estimated weights)				Group Symbols	Typical Names	Information Required for Describing Soils	Laboratory Classification Criteria
Coarse-grained soils More than half of material is larger than No. 200 sieve size* (The No. 200 sieve size is about the smallest particle visible to naked eye)							
Gravels: More than half of coarse fraction is larger than No. 4 sieve size (For visual classification, the ¼ in. size may be used as equivalent to the No. 4 sieve size)	Clean gravels (little or no fines)	Wide range in grain size and substantial amounts of all intermediate particle sizes		*GW*	Well graded gravels, gravel-sand mixtures, little or no fines	Give typical name; indicate approximate percentages of sand and gravel; maximum size; angularity, surface condition, and hardness of the coarse grains; local or geologic name and other pertinent descriptive information; and symbols in parentheses For undisturbed soils add information on stratification, degree of compactness, cementation, moisture conditions and drainage characteristics Example: *Silty sand, gravelly;* about 20% hard, angular gravel particles ½-in. maximum size; rounded and subangular sand grains coarse to fine, about 15% non-plastic fines with low dry strength; well compacted and moist in place; alluvial sand; (*SM*)	Determine percentages of gravel and sand from grain size curve Depending on percentage of fines (fraction smaller than No. 200 sieve size) coarse grained soils are classified as follows: Less than 5% *GW, GP, SW, SP* More than 12% *GM, GC, SM, SC* 5% to 12% *Borderline* cases requiring use of dual symbols
		Predominantly one size or a range of sizes with some intermediate sizes missing		*GP*	Poorly graded gravels, gravel-sand mixtures, little or no fines		$C_U = \frac{D_{60}}{D_{10}}$ Greater than 4 $C_C = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3 Not meeting all gradation requirements for *GW*
	Gravels with fines (appreciable amount of fines)	Nonplastic fines (for identification procedures see *ML* below)		*GM*	Silty gravels, poorly graded gravel-sand-silt mixtures		Atterberg limits below "A" line, or *PI* less than 4 Above "A" line with *PI* between 4 and 7 are *borderline* cases requiring use of dual symbols
		Plastic fines (for identification procedures, see *CL* below)		*GC*	Clayey gravels, poorly graded gravel-sand-clay mixtures		Atterberg limits above "A" line, with *PI* greater than 7
Sands: More than half of coarse fraction is smaller than No. 4 sieve size	Clean sands (little or no fines)	Wide range in grain sizes and substantial amounts of all intermediate particle sizes		*SW*	Well graded sands, gravelly sands, little or no fines		$C_U = \frac{D_{60}}{D_{10}}$ Greater than 6 $C_C = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3
		Predominantly one size or a range of sizes with some intermediate sizes missing		*SP*	Poorly graded sands, gravelly sands, little or no fines		Not meeting all gradation requirements for *SW*
	Sands with fines (appreciable amount of fines)	Nonplastic fines (for identification procedures, see *ML* below)		*SM*	Silty sands, poorly graded sand-silt mixtures		Atterberg limits below "A" line or *PI* less than 5 Above "A" line with *PI* between 4 and 7 are *borderline* cases requiring use of dual symbols
		Plastic fines (for identification procedures, see *CL* below)		*SC*	Clayey sands, poorly graded sand-clay mixtures		Atterberg limits below "A" line with *PI* greater than 7
Fine-grained soils More than half of material is smaller than No. 200 sieve size (The No. 200 sieve size is about the smallest particle visible to naked eye)							
Identification Procedures on Fraction Smaller than No. 40 Sieve Size							
		Dry Strength (crushing characteristics)	Dilatancy (reaction to shaking)	Toughness (consistency near plastic limit)			
Silts and clays: Liquid limit less than 50		None to slight	Quick to slow	None	*ML*	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands with slight plasticity	Give typical name; indicate degree and character of plasticity, amount and maximum size of coarse grains; colour in wet condition, odour if any, local or geologic name, and other pertinent descriptive information, and symbol in parentheses For undisturbed soils add information on structure, stratification, consistency in undisturbed and remoulded states, moisture and drainage conditions Example: *Clayey silt,* brown; slightly plastic; small percentage of fine sand; numerous vertical root holes; firm and dry in place; loess; (*ML*)
		Medium to high	None to very slow	Medium	*CL*	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	
		Slight to medium	Slow	Slight	*OL*	Organic silts and organic silt-clays of low plasticity	
Silts and clays: Liquid limit greater than 50		Slight to medium	Slow to none	Slight to medium	*MH*	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts	
		High to very high	None	High	*CH*	Inorganic clays of high plasticity, fat clays	
		Medium to high	None to very slow	Slight to medium	*OH*	Organic clays of medium to high plasticity	
Highly Organic Soils		Readily identified by colour, odour, spongy feel and frequently by fibrous texture			*Pt*	Peat and other highly organic soils	

Use grain size curve in identifying the fractions as given under field identification



Plasticity chart for laboratory classification of fine grained soils

1200498

Project No. 901588

Date: October 3, 1985 Completion depth 20 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, loose, silty sand(SM).		
1						
2						
3						
4	05		5	Brown, moist, loose, silty sand(SM).		
5						
6						
7						
8						
9	10		5	Light brown to reddish brown, moist, loose, fine sand(SW).		
10						
11						
12						
13						
14	15		5	Dark brown, moist, loose, silty fine sand(SM).		
15						
16						
17						
18						
19	20		9	Light brown, moist, loose, silty fine sand(SW).		
20						
21				Boring terminated at 20 feet.		
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6000 Page 1 of 1.

Woodward-Clyde Consultants

1200499

Project No. 90158B

Date: October 4, 1985 Completion depth 19 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0						
1				Dark brown, moist, loose, silty fine sand(SM).		
2						
3	04		5	Dark brown, moist, loose, silty fine sand(SM).		
4						
5						
6						
7						
8	09		3	Brown to reddish brown, moist, very loose, fine sand(SW).		
9						
10						
11						
12						
13	14		3	Same material.		
14						
15						
16						
17						
18	19		17	Light brown, dry, medium dense, fine sand(SW).		
19						
20				Boring terminated at 19 feet.		
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6001 Page 1 of 1.

Woodward-Clyde Consultants

1200500

Project No. 90158B

Date: October 4, 1985 Completion depth 15 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0						
1	02		4	Brown, moist, very loose, silty fine sand(SM).		
2						
3	3.5		2	Same material.		
4	05		2	Same material.		
5						
6	6.5		3	Same material.		
7	08		4	Same material.		
8	9.5		4	Encountered clay layer 3 inches thick at 8.5 feet.		
9						
10				Brown, moist, very loose, silty fine sand(SM).		
11						
12						
13						
14	15		4	Light brown, moist, loose, fine sand(SW).		
15						
16				Boring terminated at 15 feet.		
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6002 Page 1 of 1.

Woodward-Clyde Consultants

1200501

Project No. 901588

Date: October 4, 1985 Completion depth 13 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Reddish brown, moist, very loose, silty fine sand(SM).		
1						
2	03		3	Same material.		
3						
4						
5						
6						
7	08		4	Same material.		
8						
9						
10						
11						
12	13		3	Same material.		
13						
14				Boring terminated at 13 feet.		
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6003 Page 1 of 1.

Woodward-Clyde Consultants

120C502

Project No. 90158B

Date: October 4, 1985 Completion depth 13 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt
				Existing ground surface		
0						
1	02		6	Reddish brown, moist, stiff, clayey fine sand(SL).		
2						
3	3.5		4	Same material.		
4	05		6	Same material.		
5						
6	6.5		3	Reddish brown, moist, very loose, silty fine sand(SM).		
7	08		3	Red brown, moist, loose, fine sand(SW).		
8						
9						
10						
11						
12	13		4	Red brown, moist, loose, fine sand(SW).		
13						
14				Boring terminated at 13 feet.		
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6004 Page 1 of 1.

Woodward-Clyde Consultants

1200503

Project No. 90158B

Date: October 5, 1985 Completion depth 20 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0, 1, 2	02		12	Brown, moist, stiff, silty clay(CL).		
3, 4	3.5, 05		7, 4	Reddish brown, moist, loose, silty fine sand(SM). Same material.		
5, 6, 7, 8	6.5		5	Brown, moist, medium stiff, sandy clay(CL).		
9, 10, 11	10		10	Light brown, moist, loose, silty fine sand(SM).		
12, 13, 14, 15	15		11	Light grey to brown, moist, stiff, clayey sand(MM).		
16, 17, 18, 19	16.5		9	Greyish brown, moist, loose, silty sand(SM).		
20	20		11	Same material.		
21, 22, 23, 24, 25, 26, 27				Boring terminated at 20 feet.		

Figure - Test Boring Log No. B6005 Page 1 of 1.

Woodward-Clyde Consultants

1200504

Project No. 90158B

Date: October 5, 1985 Completion depth 15 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, soft, clayey silt(ML), backfill.		
1						
2	03		2			
3				Black oil stain 4 inches thick at 3.5 feet. Same material.		
4	4.5		4			
5						
6	6.5		5	Brown, moist, medium stiff, fine sandy silt(ML), with minor clays.		
7	08		10	Brown, moist, loose, fine sand(SW) with intermittent black streaks due to oil staining.		
8						
9	9.5		6	Brown, moist, loose, fine sand(SW).		
10	11		9	Same material.		
11						
12						
13						
14	15		19	Brown, moist, medium dense, fine sand (SW), with yellow and grey streaks.		
15						
16				Boring terminated at 15 feet.		
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6006 Page 1 of 1.

Woodward-Clyde Consultants

1200505

Project No. 90158B

Date: October 5, 1985 Completion depth 12 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Reddish brown, moist, very loose, silty fine sand(SM).		
1						
2						
3	04		2	Reddish brown, moist, very loose, silty fine sand(SM).		
4						
5						
6						
7	08		6	Reddish brown, moist, loose, silty fine sand(SM).		
8						
9						
10						
11	12		8	Light brown, moist, loose, silty fine sand(SM).		
12						
13				Boring terminated at 12 feet.		
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6007 Page 1 of 1.

Woodward-Clyde Consultants

1200506

Project No. 90158B

Date: October 5, 1985 Completion depth 13 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Reddish brown, moist, very loose, silty sand(SM), backfill.		
1						
2						
3						
4	05		3	Reddish brown, moist, very loose, silty sand(SM), backfill.		
5						
6	6.5		6	Reddish brown, moist, loose, silty sand(SM).		
7	08		8	Same material		
8	9.5		7	Same material		
9						
10						
11						
12	13		5	Same material		
13						
14				Boring terminated at 13 feet.		
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B6008 Page 1 of 1.

Woodward-Clyde Consultants

1200507

Project No. 901588

Date: October 5, 1985 Completion depth 10 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Reddish brown, moist, loose, silty fine sand(SM).		
1						
2						
3	04		4	Reddish brown, moist, loose, silty fine sand(SM).		
4						
5						
6						
7	08		3	Reddish brown, moist, loose, fine sand(SW).		
8						
9	10		8	Same material.		
10				Boring terminated at 10 feet.		
11						
12						
13						
14						
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Figure - Test Boring Log No. B6009 Page 1 of 1.

Woodward-Clyde Consultants

1200508

Project No. 90158B

Date: October 2, 1985 Completion depth 8.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, loose, very fine, silty sand(SM).		
1						
2						
3						
4	05		4	Brown, moist, loose, very fine, silty sand(SM).		
5						
6						
7				Drilling becomes harder at 8 feet.		
8						
9				Boring terminated at 8.5 feet due to drill refusal.		
10						
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Figure - Test Boring Log No. B7000 Page 1 of 1.

Woodward-Clyde Consultants

1200509

Project No. 90158B

Date: October 2, 1985 Completion depth 8.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, medium dense, silty sand (SM).		
1						
2						
3						
4						
5						
6	05		11	Brown, moist, medium dense, silty sand (SM).		
7						
8	07		16	Brown, moist, stiff, sandy clay(CL) with minor silts. Very slow drilling.		
9						
10				Boring terminated at 8.5 feet due to drill refusal.		
11						
12						
13						
14						
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Figure - Test Boring Log No. B7001 Page 1 of 1.

Woodward-Clyde Consultants

1200510

Project No. 90158B

Date: October 2, 1985 Completion depth 9.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Black, moist, loose, silty sand (ML). Color due to oil staining.		
1						
2						
3						
4	05		5	Black, moist, loose, silty sand (ML). Color due to oil staining.		
5						
6	6.5		4	Same material.		
7	08		10	Brown, moist, loose, silty sand (ML) with intermittent black streaks due to oil staining.		
8						
9				Refusal at 9.5 feet.		
10				Boring terminated at 9.5 feet		
11						
12						
13						
14						
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Figure - Test Boring Log No. B7002 Page 1 of 1.

Woodward-Clyde Consultants

1200511

Project No. 90158B

Date: October 2, 1985 Completion depth 8.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light grey, moist, loose, silty fine sand(SM).		
1						
2						
3						
4	05		5	Light grey, moist, loose, silty fine sand(SM).		
5						
6	6.5		6	Brown, moist, medium stiff, sandy clay (CL) mottled with light brown silty sands.		
7	08		10	Light grey to white, moist, loose, silty sand(SM).		
8				Refusal at 7.5 feet.		
9				Boring terminated at 8.5 feet due to drill refusal.		
10						
11						
12						
13						
14						
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Figure - Test Boring Log No. B7003 Page 1 of 1.

Woodward-Clyde Consultants

1200512

Project No. 90158B

Date: October 2, 1985 Completion depth 8 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Red brown, moist, medium dense, silty sand(SM).		
1						
2						
3						
4	05		11	Red brown, moist, medium dense, silty sand(SM).		
5						
6	6.5		7	Same material.		
7	08		30+	No sample recovered at 8 feet.		
8				Refusal at 7.5 feet.		
9				Boring terminated at 8 feet.		
10						
11						
12						
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Figure - Test Boring Log No. B7004 Page 1 of 1.

Woodward-Clyde Consultants

1200513

Project No. 901588 Completion depth 8.5 feet.

Date:

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Red brown, moist, medium dense, fine grained silty sand (SM).		
1						
2						
3						
4	05		16	Red brown, moist, medium dense, fine grained silty sand (SM).		
5						
6				Red brown, moist, medium dense, fine grained, well-graded sand (SW).		
7	08		15			
8				Refusal at 8.5 feet.		
9				Boring terminated at 8.5 feet due to drill refusal.		
10						
11						
12						
13						
14						
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Figure - Test Boring Log No. B7005 Page 1 of 1.

Woodward-Clyde Consultants

1200514

Project No. 90158B

Date: October 3, 1985 Completion depth 13.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt
				Existing ground surface		
0				Brown, dry, stiff, backfill, containing trash and rocks.		
1						
2						
3						
4	05		7	Brown, dry, stiff, backfill, containing trash and rocks.		
5						
6						
7						
8	8.5		3	Same material.		
9	10		30+	Light grey, dry, very dense, sandstone bedrock. Only 4 inches of sample retained.		
10						
11						
12						
13						
14				Boring terminated at 13.5 feet.		
15						
16						
17						
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Figure - Test Boring Log No. B7006 Page 1 of 1.

Woodward-Clyde Consultants

1200515

Project No. 90158B

Date: October 3, 1985 Completion depth 9 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Red brown, moist, loose, fine, silty sand (SM).		
1						
2						
3						
4	05		4	Red brown, moist, loose, fine, silty sand (SM).		
5						
6						
7						
8	8.5		26+	Stiffer soils, encountered some debris (garbage?) and metal (cans?). No sample retained.		
9						
10				Boring terminated at 9 feet due to drill refusal.		
11						
12						
13						
14						
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Figure - Test Boring Log No. B7007 Page 1 of 1.

Woodward-Clyde Consultants

1200516

Project No. 90158B

Date: October 3, 1985 Conpletion depth 9 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Red brown, moist, very loose, silty fine sand(SM). Petroleum odor detected with Hnu.		
1						
2						
3				Red brown, moist, very loose, silty fine sand(SM). Petroleum odor detected with Hnu.		
4	05		3			
5						
6	6.5		2	Same material.		
7	08		52+	Grey to black, moist, very dense, sandstone bedrock.		
8						
9						
10				Boring terminated at 9 feet due to drill refusal.		
11						
12						
13						
14						
15						
16						
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18						
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25						
26						
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Figure - Test Boring Log No. B7008 Page 1 of 1.

Woodward-Clyde Consultants

1200517

Project No. 90158B

Date: October 3, 1985 Completion depth 9 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, very loose, silty fine sand(SM).		
1						
2						
3						
4	03		3	Brown, moist, very loose, silty fine sand(SM).		
5						
6	6.5		3	Same material.		
7	08		11	Brown, moist, medium dense, silty fine sand(SM) with some grey streaks. Petroleum odor detected with Hnu.		
8						
9	09		26+	White to light grey, dry, dense, sandstone bedrock. only 2 inches of sample recovered.		
10						
11						
12				Boring terminated at 9 feet due to drill refusal.		
13						
14						
15						
16						
17						
18						
19						
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Figure - Test Boring Log No. B7009 Page 1 of 1.

Woodward-Clyde Consultants

1200518

Project No.: 90158B

Date: September 25, 1985 Completion depth 30 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Dark brown, dry, stiff, silty clay (CL).		
1						
2						
3						
4	05		19	Same material.		
5						
6						
7						
8						
9	10		13	Light tan, dry, stiff, silty clay (CL).		
10						
11						
12						
13						
14	15		9	Same material.		
15						
16						
17						
18						
19	20		16	Red brown, moist, stiff, silty clay (CL) containing white and black specks.		
20						
21						
22						
23						
24	25		22			
25						
26				Drilling becomes harder at 27 feet.		
27				Yellow, dry, very dense, siltstone bedrock.		

Figure - Test Boring Log No. B8000 Page 1 of 2.

Woodward-Clyde Consultants

Project No.: 90158B

Date: September 25, 1985 Completion depth 30 feet

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				28 feet below existing ground surface.		
28						
29	30		43	Yellow, dry, very dense, siltstone bedrock.		
30						
31				Boring terminated at 30 feet.		
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
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55						

Figure – Test Boring Log No. B8000 Page 2 of 2.

Woodward-Clyde Consultants

1200520

Project No.: 90158B

Date: September 26, 1985 Completion depth 21.75 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0						
1				Red brown, dry, very dense, siltstone (ML) backfill.		
2						
3						
4	05		72	Same material.		
5						
6						
7						
8						
9	10		11	Light brown, dry, stiff, clayey silt (ML) with traces of fine sands.		
10						
11						
12						
13						
14	15		10	Yellow, dry, stiff, clayey silt (ML) with traces of fine sands.		
15						
16						
17						
18						
19	20		14	Red brown, moist, stiff, clayey silt (ML) with traces of fine sands.		
20						
21				Red brown, dry, hard, siltstone bedrock.		
22				Boring terminated at 21.75 feet.		
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8001 Page 1 of 1.

Woodward-Clyde Consultants

1200521

Project No.: 90158B

Date: September 26, 1985 Completion depth 28.5 feet

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0, 1, 2, 3, 4, 5, 6, 7, 8	05		55	Red brown, dry, very dense, siltstone backfill. Same material. Very hard drilling at 6 feet. Drilling becomes easier at 8 feet.		
9, 10, 11, 12, 13, 14	10, 15		23, 20	Yellow, moist, stiff, clayey silt (ML) with traces of fine sands.		
15, 16				Red brown, moist, stiff, silty clay (CL)		
17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27	20, 21.5, 25		17, 12, 19	Yellow, moist, stiff, clayey silt (ML). Color changes to reddish brown at 20 feet. Same material. Color changes to yellow at 21 feet. Very soft material at 23 feet. Red brown, moist, stiff, clayey silt (ML).		

Figure - Test Boring Log No. B8002 Page 1 of 2.

Woodward-Clyde Consultants

1200522

Project No.: 90158B

Date: September 26 1985 Completion depth 28.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST CONTENT %dry wt
				28 feet below existing ground surface.		
28	28.5		30+	Hard, siltstone, bedrock, no sample recovered.		
29						
30				Boring terminated at 28.5 feet due to drill refusal.		
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
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53						
54						
55						

Figure - Test Boring Log No. B8002 Page 2 of 2.

Woodward-Clyde Consultants

1200523

Project No.: 90158B

Date: September 27, 1985 Completion depth 18.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Tan, moist, stiff, clayey silt (ML).		
1						
2						
3						
4	05		24	Tan, dry, dense, siltstone, backfill.		
5						
6						
7						
8						
9						
10						
11	11.75		5	Tan, moist, loose, clayey silt (ML), with siltstone clasts.		
12						
13						
14						
15				Grab sample taken from cuttings at 15 feet.		
16						
17						
18						
19				Boring terminated at 18.5 feet.		
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8003 Page 1 of 1.

Woodward-Clyde Consultants

1200524

Project No.: 901588

Date: September 27, 1985 Completion depth 22 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Black, saturated, soft, silty clay(CL). Color and saturation due to oil staining.		
1						
2						
3				Encountered plastic liner at 3.5 feet.		
4	05		4	Black, saturated, soft, silty clay(CL). Color and saturation due to oil staining.		
5						
6						
7						
8						
9	10		11	Black, moist, stiff, silty clay(CL). Oil stain depreciates Drilling becomes harder at 10 feet.		
10						
11						
12						
13						
14	15		19	Grey, moist, stiff, silty clay(CL).		
15						
16						
17						
18	18.5		21	Light grey, moist, stiff, silty clay(CL). Drilling becomes harder at 18.5 feet.		
19						
20						
21	22		37	Light tan, dry, very dense, siltstone (MM) bedrock.		
22						
23				Boring terminated at 22 feet.		
24						
25						
26						
27						

Figure - Test Boring Log No. B8004 Page 1 of 1.

Woodward-Clyde Consultants

1200525

Project No.: 90158B

Date: September 27, 1985 Completion depth 17.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0						
1				Black, saturated, soft, silty clay(CL). Color and saturation due to oil staining.		
2						
3						
4	05		4	Black, saturated, soft, silty clay(CL). Color and saturation due to oil staining.		
5						
6						
7						
8						
9	10		4	Black, saturated, soft, sandy, gravelly, clay(CL). Color and saturation due to oil staining.		
10						
11						
12						
13						
14	15		30	Light brown, moist, hard, sandy clay (CL), with grey and black streaks from oil staining.		
15						
16						
17	17.5		50	Brown grey, moist, very dense, siltstone bedrock.		
18				Boring terminated at 17.5 feet.		
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8005 Page 1 of 1.

Woodward-Clyde Consultants

1200526

Project No.: 90158B

Date: September 26, 1985 Completion depth 8 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0						
1				Black, moist, stiff, silty clay(CL). Color due to oil staining.		
2						
3				Black, moist, stiff, silty clay(CL). Color due to oil staining.		
4	05		15			
5			44	Grey to light brown, moist, very dense, siltstone bedrock.		
6						
7						
8				Refusal, no progress after 15 minutes.		
9				Boring terminated at 8 feet due to drill refusal.		
10						
11						
12						
13						
14						
15						
16						
17						
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22						
23						
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25						
26						
27						

Figure - Test Boring Log No. B8006 Page 1 of 1.

Woodward-Clyde Consultants

1200527

Project No.: 90158B

Date: September 28, 1985 Completion depth 8 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light brown, moist, stiff, silty clay(CL).		
1						
2						
3						
4						
5	05		7	Light brown, moist, stiff, silty clay(CL).		
6	6.5		9	Same material.		
7	08		10	Same material.		
8				Boring terminated at 8 feet.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8007 Page 1 of 1.

Woodward-Clyde Consultants

1200528

Project No.: 90158B

Date: September 28, 1985 Completion depth 6 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Black, moist, stiff, silty clay(CL).		
1				Color due to oil staining.		
2	03		15	Black, moist, stiff, silty clay(CL).		
3				Color due to oil staining.		
4	4.5		13	Same material.		
5	06		4	Light brown, moist, stiff, silty clay(CL).		
6				Boring terminated at 6 feet.		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
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25						
26						
27						

Figure - Test Boring Log No. B8008 Page 1 of 1.

Woodward-Clyde Consultants

1200529

Project No.: 901588

Date: September 28, 1985 Completion depth 8 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light brown, moist, medium stiff, silty clay(CL), with white specks.		
1						
2						
3						
4	05		6	Light brown, moist, medium stiff, silty clay(CL), with white specks.		
5						
6	6.5		12	Same material.		
7	08		18	Light brown, moist, stiff, silty clay(CL).		
8						
9				Boring terminated at 8 feet.		
10						
11						
12						
13						
14						
15						
16						
17						
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Figure - Test Boring Log No. B8009 Page 1 of 1.

Woodward-Clyde Consultants

1200530

Project No.: 90158B

Date: September 28, 1985 Completion depth 10.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST CONTENT %dry wt.
				Existing ground surface		
0				Light brown to tan, moist, medium stiff, silty clay(CL), with white specks.		
1						
2						
3						
4	05		3	Light brown to tan, moist, medium stiff, silty clay(CL), with white specks.		
5						
6						
7						
8	8.5		9	Same material.		
9	10		8	Same material.		
10				Refusal at 10.5 feet.		
11				Boring terminated at 10.5 feet due to drill refusal.		
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8010 Page 1 of 1.

Woodward-Clyde Consultants

1200531

Project No.: 90158B

Date: September 28, 1985 Completion depth 13 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0						
1						
2						
3						
4	05		10	Reddish brown, moist, stiff, clayey silt (ML).		
5						
6						
7						
8						
9	10		15	Light brown, moist, stiff, clayey silt (ML), with some fine sands.		
10						
11				Drilling becomes harder at 11 feet.		
12						
13						
14				Boring terminated at 13 feet.		
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8011 Page 1 of 1.

Woodward-Clyde Consultants

1200532

Project No. 90158B

Date: September 30, 1985 Completion depth 19 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light brown to tan, moist, stiff, clayey silt(ML), containing some sands with white specks.		
1						
2						
3						
4	05		12	Light brown to tan, moist, stiff, clayey silt(ML), containing some sands with white specks.		
5						
6						
7						
8						
9	10		26	Light brown to tan, moist, very stiff, clayey silt(ML).		
10						
11						
12						
13						
14	15		36	Light brown to tan, moist, hard, clayey silt(ML).		
15						
16						
17				Light grey to tan, moist, hard, silt-stone bedrock.		
18						
19	20		34	3 inch sample taken due to refusal.		
20				Boring terminated at 19 feet due to drill refusal.		
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8012 Page 1 of 1.

Woodward-Clyde Consultants

1200533

Project No. 90158B

Date: September 30, 1985 Completion depth 18.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light grey to tan, dry, dense, sandy silt, (ML) with some minor gravels.		
1						
2						
3				Encountered rock at 3 feet.		
4						
5				Encountered rock at 5 feet.		
6	07		22	Light grey to tan, dry, dense, sandy silt, (ML) with some minor gravels.		
7						
8						
9	10		19	Light brown to light grey, moist, stiff, clayey silt(ML), with minor organics.		
10						
11						
12						
13						
14	15		43	Red brown, moist, hard, silt(ML), with minor clays.		
15						
16						
17						
18						
19				Boring terminated at 18.5 feet due to drill refusal.		
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8013 Page 1 of 1.

Woodward-Clyde Consultants

1200534

Project No. 90158B

Date: September 30, 1985 Completion depth 14 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown to light reddish orange, moist, stiff, clayey silt(ML).		
1						
2						
3						
4	05		17	Brown to light reddish orange, moist, stiff, clayey silt(ML).		
5						
6						
7						
8						
9	10		11	Light reddish brown, moist, stiff, clayey silt(ML) with minor gravels.		
10						
11						
12				Sampler advanced only 3 inches.		
13	13.5		27+	Light grey, moist, very stiff, clayey silt (ML), with minor gravels.		
14						
15				Boring terminated at 14 feet.		
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8014 Page 1 of 1.

Woodward-Clyde Consultants

1200535

Project No. 90158B

Date: September 30, 1985 Completion depth 14 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, stiff, silty clay(CL).		
1						
2						
3						
4	05		9	Brown, moist, stiff, silty clay(CL).		
5						
6						
7						
8						
9	10		7	Same material.		
10						
11				Drilling becomes slower at 11 feet.		
12						
13				Six inches of sample recovered at 14 feet.		
14	15		17			
15				Boring terminated at 14 feet due to drill refusal.		
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8015 Page 1 of 1.

Woodward-Clyde Consultants

1200536

Project No. 90158B

Date: September 30, 1985 Completion depth 6 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light brown, dry, loose, clayey silt(ML) backfill with minor fine sands.		
1						
2						
3				Light brown, dry, loose, clayey silt(ML) backfill with minor fine sands.		
4	05	X	5	Refusal at 6 feet.		
5				Encountered concrete at 6 feet, (debris).		
6				Boring terminated at 6 feet due to drill refusal.		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8016 Page 1 of 1.

Woodward-Clyde Consultants

1200537

Project No. 90158B

Date: September 30, 1985 Completion depth 19.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0, 1				Dark brown, moist, stiff, clayey silt (ML), backfill		
2				Void space		
3				Same material.		
4				Concrete layer at 3.25 feet, (debris?).		
5, 6				Same material.		
7				Concrete layer at 6.5 feet, (debris?).		
8, 9, 10, 11, 12, 13	10		11	Dark brown, moist, stiff, clayey silt (ML) containing some wood chips (backfill).		
14, 15, 16, 17, 18	15		11	Dark brown, moist, stiff, clayey silt (ML), with minor fine sands.		
19, 20	19.5		25	Light brown, dry, dense, siltstone bedrock with traces of sand and containing some white specks.		
21, 22, 23, 24, 25, 26, 27				Boring terminated at 19.5 feet. NOTE: This boring penetrated material in a landfill.		

Figure - Test Boring Log No. B8017 Page 1 of 1.

Woodward-Clyde Consultants

1200538

Project No. 901588

Date: September 30, 1985 Completion depth 12 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Grey to tan, moist, stiff, clayey silt (ML).		
1						
2				Grey to tan, moist, stiff, clayey silt (ML).		
3						
4	05		21	Sampler driven only 9 inches.		
5				Tan, dry, hard, siltstone bedrock.		
6						
7						
8						
9	10		30+	Sampler driven only 9 inches. No sample recovered.		
10						
11						
12						
13				Boring terminated at 12 feet due to drill refusal.		
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8018 Page 1 of 1.

Woodward-Clyde Consultants

1200539

Project No. 90158B

Date: September 30, 1985 Completion depth 21 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Red brown, moist, soft, clayey silt (ML).		
1						
2						
3						
4	05		4	Red brown, moist, soft, clayey silt (ML).		
5						
6						
7						
8						
9	10		17	Brown to red brown, moist, stiff, clayey silt(ML)		
10						
11				Drilling becomes harder and color changes to light brown at 11 feet.		
12						
13						
14	15		33	Light brown to tan, dry, hard, clayey silt(ML).		
15						
16						
17						
18						
19	20		18	Light grey, dry, medium dense, silt (ML) with minor gravels.		
20						
21				Boring terminated at 21 feet due to drill refusal.		
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B8019 Page 1 of 1.

Woodward-Clyde Consultants

1200540

Project No. 90158B

Date: October 19, 1985 Completion depth 19 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, medium stiff, clayey silt(ML).		
1						
2	03		8	Brown, moist, medium stiff, clayey silt(ML).		
3						
4	05		4	Same material.		
5						
6	07		7	Same material. Petroleum odor detected by Hnu.		
7						
8	09		12	Light brown, stiff, dry, clayey silt(ML).		
9						
10						
11						
12						
13	14		30	Light brown, very stiff, dry, clayey silt(ML).		
14						
15						
16						
17						
18	19		25	Same material.		
19				Boring terminated at 19 feet.		
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9000 Page 1 of 1.

Woodward-Clyde Consult

Project No. 901588

Date: October 20, 1985 Completion depth 28.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, saturated, soft, clayey silt(ML), containing some gravels.		
1						
2						
3						
4	4.5		4	Brown, saturated, soft, clayey silt(ML), containing some gravels.		
5	06		15	Brown, moist, stiff, clayey silt(ML), containing some gravels.		
6						
7						
8	09		12	Same material.		
9						
10						
11						
12						
13	14		11	Reddish brown, moist, stiff, clayey silt(ML).		
14						
15						
16						
17						
18	19		52	Grey to white, dry, hard, siltstone bedrock.		
19						
20						
21						
22						
23	24		90	Same material.		
24						
25						
26						
27						
	28.5		30+			

Figure - Test Boring Log No. B9001 Page 1 of 2.

Woodward-Clyde Consultants

1200542

Project No.: 901588

Date: October 20, 1985 Completion depth 28.5 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				28 feet below existing ground surface.		
28				Grey to white, dry, hard, siltstone bedrock. Only 9 inches of sample recovered.		
29						
30						
31				Boring terminated at 28.5 feet due to drill refusal.		
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						

Figure - Test Boring Log No. B9001 Page 2 of 2.

Woodward-Clyde Consultants

1200543

Project No. 90158B

Date: October 20, 1985 Completion depth 14 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, stiff, clayey silt(ML).		
1						
2	03	X	10	Brown, moist, stiff, clayey silt(ML).		
3						
4	05	X	6	Reddish brown, moist, medium stiff clayey silt(ML).		
5						
6	07	X	7	Same material.		
7						
8						
9	10	X	16	Reddish brown, moist, stiff, clayey silt(ML).		
10						
11						
12						
13	14	X	16	Same material.		
14				Boring terminated at 14 feet.		
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9002 Page 1 of 1.

Woodward-Clyde Consultants

1200544

Project No. 90158B

Date: October 20, 1985 Completion depth 14 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Reddish brown, moist, stiff, clayey silt(ML).		
1						
2	03		16	Reddish brown, moist, stiff, clayey silt(ML).		
3						
4	05		12	Same material. Oil stain at 4.5 feet.		
5						
6	07		10	Same material.		
7						
8						
9	10		10	Same material.		
10						
11						
12						
13	14		26	Reddish brown, moist, very stiff, clayey silt(ML).		
14						
15				Boring terminated at 14 feet.		
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9003 Page 1 of 1.

Woodward-Clyde Consultants

1200515

Project No. 90158B

Date: October 20, 1985 Completion depth 14 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Dark brown, moist, stiff, clayey silt(ML).		
1						
2	03		23	Dark brown, moist, stiff, clayey silt(ML).		
3						
4	05		7	Reddish brown, moist, medium stiff, clayey silt(ML).		
5						
6	07		8	Same material.		
7						
8						
9	10		14	Light reddish brown, moist, stiff, clayey silt(ML).		
10						
11						
12						
13	14		32	Light brown to tan, dry, very dense, silt(ML), containing some white to tan specks.		
14						
15						
16				Boring terminated at 14 feet.		
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9004 Page 1 of 1.

Woodward-Clyde Consultants

1200546

Project No. 90158B

Date: October 20, 1985 Completion depth 14 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Brown, moist, stiff, clayey silt(ML). Black oil stain on the surface.		
1						
2	03		14	Brown, moist, stiff, clayey silt(ML).		
3						
4	05		12	Same material. Black organic particles at 4 feet.		
5						
6	07		13	Reddish brown, moist, stiff, clayey silt(ML).		
7						
8						
9	10		16	Reddish brown, dry, stiff, clayey silt (ML).		
10						
11						
12						
13	14		21	Same material.		
14						
15				Boring terminated at 14 feet.		
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9005 Page 1 of 1.

Woodward-Clyde Consultants

1200547

Project No. 90158B

Date: October 20, 1985 Completion depth 14 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Reddish brown, moist, medium stiff, clayey silt(ML), with some white specks.		
1						
2	03		5	Reddish brown, moist, medium stiff, clayey silt(ML), with some white specks.		
3						
4	05		7	Same material.		
5						
6	07		9	Reddish brown, moist, stiff, clayey silt(ML).		
7						
8						
9	10		24	Same material.		
10						
11						
12						
13	14		19	Same material.		
14						
15				Boring terminated at 14 feet.		
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9006 Page 1 of 1.

Woodward-Clyde Consultants

1200548

Project No. 90158B

Date: October 21, 1985 Completion depth 13 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light brown to tan, moist, soft, clayey silt(ML), backfill.		
1						
2						
3						
4	05		3	Light brown to tan, moist, soft, clayey silt(ML), backfill, with some debris.		
5						
6						
7						
8						
9	10		30+	Grey to light brown, dry, very dense, silt(ML), with some gravel.		
10						
11						
12						
13				Refusal at 13 feet.		
14				Boring terminated at 13 feet due to drill refusal.		
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9007 Page 1 of 1.

Woodward-Clyde Consultants

1200543

Project No. 90158B

Date: October 21, 1985 Completion depth 7 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0				Light grey to tan, dry, very dense, silt(ML), with some gravels.		
1						
2	03		33	Light grey to tan, dry, very dense, silt(ML), with some gravels.		
3						
4	05		16	Light grey to tan, dry, medium dense silt(ML), with some gravels.		
5						
6	07		33	Light grey to tan, dry, very dense, silt(ML), with some gravels.		
7						
8				Boring terminated at 7 feet.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9008 Page 1 of 1.

Woodward-Clyde Consultants

1200530

Project No. 90158B

Date: October 21, 1985 Completion depth 10 feet.

DEPTH IN FEET	SAMPLE NUMBER	LOG & SAMPLE	PENE. RESIS. / FT.	DESCRIPTION	IN-SITU DRY DENSITY pcf	IN-SITU MOIST. CONTENT %dry wt.
				Existing ground surface		
0						
1				Light brown, moist, medium dense, silt(ML), with some gravels.		
2						
3						
4	05	X	13	Light brown, moist, medium dense, silt(ML), with some gravels.		
5						
6						
7						
8						
9	10	X	25+	Light brown, moist, dense, silt(ML). Only 3 inches of sample recovered.		
10						
11				Boring terminated at 10 feet.		
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

Figure - Test Boring Log No. B9009 Page 1 of 1.

Woodward-Clyde Consultants

1200531

ATTACHMENT 2.1

Weekly Storage Report

New Mexico Facilities

1985, 1986, and 1987

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: MARCH 16,1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK		LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'4"-	1,867	1867	1867
STA. 6	0	0	2'0"-	2,800	2800	2800
STA. 7	0	0	3'3"-	4,551	3967	4551
STA. 8	0	0	4'4"-	6,068	12602	6068
RIO GR. REC.	0	0	1'3"-	1,750	1750	1750

BELEN DIST. TOTAL GALLONS - 17,036

BELEN DIST. TOTAL GALLONS LAST WEEK - 22,986

NOTE: Hauled 6534 gallons of liquid from Station 8 tank.

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200558

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: MARCH 9, 1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'4"- 1,867	1867	1867
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	8'11"- 12,602	22519	12602
RIO GR. REC.	0	0	1'3"- 1,750	1750	1750

BELEN DIST. TOTAL GALLONS - 22,986

BELEN DIST. TOTAL GALLONS LAST WEEK - 32,903

NOTE: Hauled 9917 gallons of liquid from Station 8 tank.

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200559

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: FEB. 24, 1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'4"- 1,867	1867	1867
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	12'6"- 17,619	15519	17619
RIO GR. REC.	0	0	1'3"- 1,750	1400	1750

BELEN DIST. TOTAL GALLONS - 28,003

BELEN DIST. TOTAL GALLONS LAST WEEK - 25,553

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200560

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: FEB. 16, 1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'4"- 1,867	1634	1867
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	11'0"- 15,519	13302	15519
RIO GR. REC.	0	0	1'0"- 1,400	1400	1400

BELEN DIST. TOTAL GALLONS - 25,553

BELEN DIST. TOTAL GALLONS LAST WEEK - 23,103

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200561

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: FEB. 9, 1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'2"- 1,634	1634	1634
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	9'5"- 13,302	22519	13302
RIO GR. REC.	0	0	1'0"- 1,400	9335	1400

BELEN DIST. TOTAL GALLONS - 23,103

BELEN DIST. TOTAL GALLONS LAST WEEK - 40,255

NOTE: HAULED 7935 GALLONS OF LIQUID FROM RIO GRANDE RECEIVER TANK AND 9217 GALLONS FROM STATION 8 TANK.

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200562

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: JAN. 26, 1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'2"- 1,634	1634	1634
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	11'0"- 15,519	14119	15519
RIO GR. REC.	0	0	6'8"- 9,335	9335	9335

BELEN DIST. TOTAL GALLONS -- 33,255

BELEN DIST. TOTAL GALLONS LAST WEEK - 31,855

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200563

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: JAN. 19,1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'2"- 1,634	1400	1634
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	10'0"- 14,119	14119	14119
RIO GR. REC.	0	0	6'8"- 9,335	8985	9335

BELEN DIST. TOTAL GALLONS - 31,855

BELEN DIST. TOTAL GALLONS LAST WEEK - 31,271

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200564

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: JAN. 12, 1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'0"- 1,400	1400	1400
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	10'0"- 14,119	12952	14119
RIO GR. REC.	0	0	6'5"- 8,985	8635	8985

BELEN DIST. TOTAL GALLONS - 31,271

BELEN DIST. TOTAL GALLONS LAST WEEK - 30,104

BA/deb

cc: Jimmy Carter
All Reporting Locations
Dist. File

1200565

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: JAN. 6.1987

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'0"- 1,400	1400	1400
STA. 6	0	0	2'3"- 3,150	2800	3150
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	9'2"- 12,952	11318	12952
RIO GR. REC.	0	0	6'2"- 8,635	8635	8635

BELEN DIST. TOTAL GALLONS - 30,104

BELEN DIST. TOTAL GALLONS LAST WEEK - 28,120

BA/deb

CC: J. CARTER
DIST.FILE

1200566

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON RC DATE: DEC. 30,1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'0"- 1,400	1400	1400
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	7'2"- 10,151	10151	11318
RIO GR. REC.	0	0	6'2"- 8,635	8635	8635

BELEN DIST. TOTAL GALLONS - 28,120

BELEN DIST. TOTAL GALLONS LAST WEEK - 26,953

BA/deb

CC: J. CARTER
DIST.FILE

1200567

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: DEC. 23,1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	1'0"- 1400	933	1400
STA. 6	0	0	2'0"- 2,800	2800	2800
STA. 7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	7'2"- 10,151	10151	10151
RIO GR. REC.	0	0	6'2"- 8,635	8635	8635

BELEN DIST. TOTAL GALLONS - 26,953

BELEN DIST. TOTAL GALLONS LAST WEEK - 26,486

BA/deb

CC: J. CARTER
DIST.FILE

1200568

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: DEC. 15,1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	0'8"- 933	933	933
STA. 6	0	0	2'0"- 2,800	2800	2800
STA.7	0	0	2'10"- 3,967	3967	3967
STA. 8	0	0	7'2"- 10,151	9101	10151
RIO GR. REC.	0	0	6'2"- 8,635	8635	8635

BELEN DIST. TOTAL GALLONS - 26,486

BELEN DIST. TOTAL GALLONS LAST WEEK - 25,436

BA/deb

CC: J. CARTER
DIST.FILE

1200569

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS

CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON RA

DATE: DEC. 9, 1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	0'8"- 933	933	933
STA. 6	0	0	2'0"- 2,800	2800	2800
STA.7	0	0	2'10"- 3,967	3617	3967
STA. 8	0	0	6'6"- 9,101	7701	9101
RIO GR. REC.	0	0	6'2"- 8,635	7934	8635

BELEN DIST. TOTAL GALLONS - 25,436

BELEN DIST. TOTAL GALLONS LAST WEEK - 22,985

BA/deb

CC: J. CARTER
DIST.FILE

1200570

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: DEC. 1, 1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK		LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	0'8"-	933	933	933
STA. 6	0	0	2'0"-	2,800	2800	2800
STA.7	0	0	2'7"-	3,617	3617	3617
STA. 8	0	0	5'6"-	7,701	12485	7701
RIO GR. REC.	0	0	5'8"-	7,934	7934	7934

BELEN DIST. TOTAL GALLONS - 22,985

BELEN DIST. TOTAL GALLONS LAST WEEK - 27,769

NOTE: HAULED 4784 GALLONS OF LIQUID FROM STATION 8 TANK.

BA/deb

CC: J. CARTER
DIST.FILE

1200571

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: NOV. 24, 1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	0'8""-933	933	933
STA. 6	0	0	2'0"-2800	2800	2800
STA.7	0	0	2'7"-3617	3617	3617
STA. 8	0	0	8'10"-12,485	12485	12485
RIO GR. REC.	0	0	5'8"-7934	7934	7934

BELEN DIST. TOTAL GALLONS - 27,769

BELEN DIST. TOTAL GALLONS LAST WEEK - 27,769

BA/deb

CC: J. CARTER
DIST.FILE

1200572

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS

CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON

DATE: NOV. 17, 1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	0'8""-933	933	933
STA. 6	0	0	2'0"-2800	2800	2800
STA.7	0	0	2'7"-3617	3617	3617
STA. 8	0	0	8'10"-12,485	12485	12485
RIO GR. REC.	0	0	5'8"-7934	7934	7934

BELEN DIST. TOTAL GALLONS - 27,769

BELEN DIST. TOTAL GALLONS LAST WEEK - 27,769

BA/deb

CC: J. CARTER
DIST.FILE

1200573

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: NOV. 3, 1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	5'10"-8168	4784	8168
STA. 6	0	0	2'0"-2800	2800	2800
STA.7	0	0	2'7"-3617	3617	3617
STA. 8	0	0	8'0"-11,318	8401	11318
RIO GR. REC.	0	0	5'8"-7934	7934	7934

BELEN DIST. TOTAL GALLONS - 33,837

BELEN DIST. TOTAL GALLONS LAST WEEK - 27,536

GALLONS ACCUMULATED THIS WEEK 6,301

GALLONS DISPOSED OF THIS WEEK 0

BA/DEB

CC: J. CARTER
DIST.FILE

1200574

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: NOV. 10, 1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	0'8""-933	8168	933
STA. 6	0	0	2'0"-2800	2800	2800
STA.7	0	0	2'7"-3617	3617	3617
STA. 8	0	0	8'10"-12,485	11318	12485
RIO GR. REC.	0	0	5'8"-7934	7934	7934

BELEN DIST. TOTAL GALLONS - 27,769

BELEN DIST. TOTAL GALLONS LAST WEEK - 27,536

NOTE: HAULED 7235 GALLONS OF LIQUID FROM STATION 5 TANK.

BA/deb

CC: J. CARTER
DIST.FILE

1200575

TRANSWESTERN PIPELINE COMPANY

TO: DAVID BAYS CO./DIV.: BELEN DIST.

FROM: BOB ANDERSON DATE: OCT. 27, 1986

SUBJECT: BELEN DIST. PIPELINE WASTE OIL TANK MEAS.

	MUFFLER	PIT	500 BBL TANK	LAST WEEK TOTAL	PRESENT TOTAL
STA. 5	0	0	3'5"-4784	4667	4784
STA. 6	0	0	2'0"-2800	2800	2800
STA.7	0	0	2'7"-3617	3150	3617
STA. 8	0	0	6'0"-8401	7818	8401
RIO GR. REC.	0	0	5'8"-7934	7934	7934

BELEN DIST. TOTAL GALLONS - 27,536

BELEN DIST. TOTAL GALLONS LAST WEEK - 26,369

GALLONS ACCUMULATED THIS WEEK 1,167

GALLONS DISPOSED OF THIS WEEK 0

BA/DEB

CC: J. CARTER
DIST.FILE

OCT 1986
RECEIVED
David Bays

1200576

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

FROM: *Bob Anderson*

CO/DIV: *TWPL, Belen District*

DATE: October 20, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	3'4" - 4667 Gl.	4667
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	2'3" - 3150 Gl.	3150
Rio Grande River Receiver	0	0	5'8" - 7934 Gl.	7934
Station 8	0	0	5'7" - 7818 Gl.	7818

Belen District Total Gallons - 26,369 Gallons

BA/deb

CC: J. Carter
Dist. File

OCT 1986
RECEIVED
David Bays

1200577

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: October 13, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	3'3" - 4551 Gl.	4551
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	2'3" - 3150 Gl.	3150
Rio Grande River Receiver	0	0	5'4" - 7468 Gl.	7468
Station 8	0	0	4'6" - 6301 Gl.	6301

Belen District Total Gallons - 24,270 Gallons

BA/deb

CC: J. Carter
Dist. File

OCT 1986
RECEIVED
David Bays

1200578

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: October 9, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	2'11" - 4084 Gl.	4084
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	2'3" - 3150 Gl.	3150
Rio Grande River Receiver	0	0	5'4" - 7468 Gl.	7468
Station 8	0	0	3'9" - 5251 Gl.	5251

Belen District Total Gallons - 22,753 Gallons

BA/deb

CC: J. Carter
Dist. File

1200579

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: September 29, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	2'8" - 3734 Gl.	3734
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	2'3" - 3150 Gl.	3150
Rio Grande River Receiver	0	0	5'4" - 7468 Gl.	7468
Station 8	0	0	0'8" - 933 Gl.	933

Belen District Total Gallons - 18,085 Gallons

NOTE: Hauled 5484 gallons of liquid from Station 5 tank.

BA/deb

CC: J. Carter
Dist. File

OCT 1986
RECEIVED
David Bays

1200580

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: September 23, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	6'7" - 9218 Gl.	9218
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	2'3" - 3150 Gl.	3150
Rio Grande River Receiver	0	0	5'4" - 7468 Gl.	7468
Station 8	0	0	0	0

Belen District Total Gallons - 22,636 Gallons

NOTE: Hauled 6,301 gallons of liquid from Station 8.

BA/deb

CC: J. Carter
Dist. File

SEP 1986
RECEIVED
David Bays

1200581

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

FROM: *Bob Anderson* RA.

CO/DIV: *TWPL, Belen District*

DATE: September 9, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	6'1" - 8518 Gl.	8518
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	1'10" - 2567 Gl.	2567
Rio Grande River Receiver	0	0	5'3" - 7351 Gl.	7351
Station 8	0	0	13'11" - 19,603 Gl.	19603

Belen District Total Gallons - 40.839 Gallons

BA/deb

CC: J. Carter
Dist. File

SEP 1986
RECEIVED
David Bays

1200582

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: September 2, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	5'11" - 8284 Gl.	8284
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	1'10" - 2567 Gl.	2567
Rio Grande River Receiver	0	0	5'3" - 7351 Gl.	7351
Station 8	0	0	13'10" - 19,486 Gl.	19486

Belen District Total Gallons - 40,488 Gallons

BA/deb

CC: J. Carter
Dist. File

SEP 1986
RECEIVED
David Bays

1200583

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

FROM: *Bob Anderson*

CO/DIV: *TWPL, Belen District*

DATE: August 25, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	5'5" - 7584 Gl.	7584
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	1'10" - 2567 Gl.	2567
Rio Grande River Receiver	0	0	3'11" - 5484 Gl.	5484
Station 8	0	0	11'0" - 15519 Gl.	15519

Belen District Total Gallons - 33,954 Gallons

BA/deb

CC: J. Carter
Dist. File

SEP. 1986
RECEIVED
David Bays

1200584

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: August 18, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	4'8" - 6534 Gl.	6534
Station 6	0	0	2'0" - 2800 Gl.	2800
Station 7	0	0	1'10" - 2567 Gl.	2567
Rio Grande River Receiver	0	0	3'5" - 4784 Gl.	4784
Station 8	0	0	10'1" - 14235 Gl.	14235

Belen District Total Gallons - 30,920 Gallons

BA/deb

CC/ J. Carter
Dist. File

AUG 1986
RECEIVED
David Bays

1200585

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

FROM: *Bob Anderson* RA

CO/DIV: *TWPL, Belen District*

DATE: July 28, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	4'5" - 6184 Gl.	6184
Station 6	0	0	1'6" - 2100 Gl.	2100
Station 7	0	1'4" - 1411 Gl.	1'10" - 2567 Gl.	3978
Rio Grande River Receiver	0	0	2'5" - 3384 Gl.	3384
Station 8	0	0	14'0" - 19,719 Gl.	19719

Belen District Total Gallons - 35,365 Gallons

BA/deb

CC: J. Carter
Dist. File

4 JUL 1986 RECEIVED David Bays

1200586

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: July 21, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	3'3" - 4551 Gl.	4551
Station 6	0	0	1'6" - 2100 Gl.	2100
Station 7	0	1'4" - 1411 Gl.	1'10" - 2567 Gl.	3978
Rio Grande River Receiver	0	0	2'5" - 3384 Gl.	3384
Station 8	0	0	11'6" - 16,219 Gl.	16,219

Belen District Total Gallons - 30,232 Gallons

BA/deb

CC: J. Carter
Dist. File

1200587

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL, Belen District

FROM: Bob Anderson

DATE: July 14, 1986

SUBJECT: Belen District Pipeline Waste Oil Pit and Tank Measurements

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	3'3" - 4551 Gl.	4551
Station 6	0	0	1'6" - 2100 Gl.	2100
Station 7	0	1'4" - 1411 Gl.	1'10" - 2567 Gl.	3978
Rio Grande River Receiver	0	0	2'2" - 3034 Gl.	3034
Station 8	0	0	10'6" - 14,819 Gl.	14819

Belen District Total Gallons - 28,482 Gallons

BA/lrl

CC: J. Carter
Dist. File

JUL 1986 RECEIVED David Bays

1200588

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE:

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	3'3" - 4551 Gl.	4551
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'11" - 3849 Gl.	3'1" - 4317 Gl.	8166
Rio Grande River Receiver	0	0	1'7" - 2217 Gl.	2217
Station 8	0	0	8'9" - 12368 Gl.	12368

Belen District Total Gallons - 29,052 Gallons

BA/deb

CC: J. Carter
Dist. File

JUN 1986
RECEIVED
David Bays

1200589

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: August 11, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	4'8" - 6534 Gl.	6534
Station 6	0	0	1'6" - 2100 Gl.	2100
Station 7	0	0	1'10" - 2567 Gl.	2567
Rio Grande River Receiver	0	0	3'5" - 4784 Gl.	4784
Station 8	0	0	10'1" - 14,235 Gl.	14235

Belen District Total Gallons - 30,220 Gallons

NOTE: Hauled 6,885 of pipeline liquid from Station 8 tank.

BA/deb

CC: J. Carter
Dist. File

4 AUG 1986 RECEIVED David Bays

1200590

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: August 4, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	4'8" - 6534 Gl.	6534
Station 6	0	0	1'6" - 2100 Gl.	2100
Station 7	0	0	1'10" - 2567 Gl.	2567
Rio Grande River Receiver	0	0	2'5" - 3384 Gl.	3384
Station 8	0	0	15'0" - 21,120 Gl.	21,120

Belen District Total Gallons - 35,705 Gallons

NOTE: Station 7 pit is no longer in operation. Chemical Waste Management cleaned pit on August 2, 1986.

RA/deb

CC: J. Carter
Dist. File

1200591

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: July 7, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	3'3" - 4551 Gl.	4551
Station 6	0	0	1'6" - 2100 Gl.	2100
Station 7	0	1'4" - 1411 Gl.	1'10" - 2567 Gl.	3978
Rio Grande River Receiver	0	0	2'0" - 2800 Gl.	2800
Station 8	0	0	9'10" - 13,885 Gl.	13885

Belen District Total Gallons - 27,314 Gallons

BA/deb

CC: J. Carter
Dist. File

1200592

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

FROM: *Bob Anderson*

CO/DIV: *TWPL, Belen District*

DATE: July 1, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	*PIT*	*500 BBL TANK*	*TOTAL GALLONS*
Station 5	0	0	3'3" - 4551 Gl.	4551
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	1'4" - 1411 Gl.	1'10" - 2567 Gl.	3978
Rio Grande River Receiver	0	0	2'0" - 2800 Gl.	2800
Station 8	0	0	8'3" - 11688 Gl.	11688

Belen District Total Gallons - 24,767 Gl.

NOTE: Hauled 4188 gallons of liquid from Station 7 and 680 gallons from Station 8.

BA/deb

CC: J. Carter
Dist. File

1200593

TRANSWESTERN
Pipeline Company

INTEROFFICE CORRESPONDENCE

JUN 1986
RECEIVED
David Bays

TO: *David Bays*

FROM: *Bob Anderson*

CO/DIV: *TWPL, Belen Dis*

DATE: June 17, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	3'2" - 4434 Gl.	4434
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'10" - 3698 Gl.	3'0" - 4200 Gl.	7898
Rio Grande River Receiver	0	0	1'7" - 2217 Gl.	2217
Station 8	0	0	8'1" - 11435 Gl.	11435

Belen District Total Gallons - 27,734 Gallons

BA/deb

CC: J. Carter
Dist. File

1200594

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen District*

FROM: *Bob Anderson*

DATE: June 10, 1986

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	3'2" - 4434 Gl.	4434
Station 6	0	0	1'4" - 1867 Gl.	1867
Station 7	0	2'10" - 3698 Gl.	3'0" - 4200 Gl.	7898
Rio Grande River Receiver	0	0	1'7" - 2217 Gl.	2217
Station 8	0	0	7'4" - 10,385 Gl.	10,385

Belen District Total Gallons - 26,801 Gallons

NOTE: Hauled 12,134 gallons of liquid from Station 8 tank.

CC: J. Carter
Dist. File

1200595

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL, Belen District

FROM: Bob Anderson

DATE: May 19, 1986

SUBJECT: Belen District Pipeline Waste Oil Pit And Tank Measurements

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	2'9" - 3851 Gl.	3851
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'6" - 3119 Gl.	2'9" - 3851 Gl.	6970
Rio Grande River Receiver	0	0	1'7" - 2217 Gl.	2217
Station 8	0	0	8'3" - 11688 Gl.	11,688

Belen District Total Gallons - 26,476 Gallons

NOTE: Hauled one load of 4648 gallons from Station 8.

BA/deb

CC: J. Carter
Dist. File RL

1200596

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

FROM: *Bob Anderson*

CO/DIV: *TWPL, Belen District*

DATE: *May 12, 1986*

SUBJECT: *Belen District Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	2'9" - 3851 Gl.	3851
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'6" - 3119 Gl.	2'8" - 3734 Gl.	3734
Rio Grande River Receiver	0	0	1'7" - 2217 Gl.	2217
Station 8	0	0	11'7" - 16336 Gl.	16336

Belen District Total Gallons - 27,888 Gallons

BA/deb

CC: J. Carter
Dist. File

1200597

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL, Belen District

FROM: Bob Anderson

DATE: April 28, 1986

SUBJECT: Belen District Pipeline Waste Oil Pit And Tank Measurements

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	2'9" - 3851 Gl.	3851
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'6" - 3119 Gl.	2'0" - 2800 Gl.	5919
Rio Grande River Receiver	0	0	1'2" - 1634 Gl.	1634
Station 8	0	0	9'0" - 12,718 Gl.	12,718

Belen District Total Gallons - 25,872 Gallons

BA/deb

CC: J. Carter
Dist. File

1200598

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL, Belen District

FROM: Bob Anderson

DATE: April 25, 1986

SUBJECT: Belen District Pipeline Waste Oil Pit And Tank Measurements

	MUFFLER	PIT	500 BBL TANK	TOTAL GALLONS
Station 5	0	0	2'3" - 3150 Gl.	3150
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'6" - 3119 Gl.	2'0" - 2800 Gl.	5919
Rio Grande River Receiver	0	0	1'2" - 1634 Gl.	1634
Station 8	0	0	6'2" - 8635 Gl.	8635

Belen District Total Gallons - 21,088 Gallons

CC: J. Carter
Dist. File

1200599

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays* CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson* DATE: *March 18, 1986*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GAI
Station 5	0	0	2'0" - 2800 Gl.	2800
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'3" - 1044 Gl.	1'3" - 1750 Gl.	2794
Rio Grande River Receiver	0	0	1'2" - 1634 Gl.	1634
Station 8	0	0	8'2" - 11522 Gl.	11522

District II Total Gallons - 20,500 Gl.

CC: J. Carter
Dist, File

1200600

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson*

DATE: *March 3, 1986*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GAL
Station 5	0	0	2'0" - 2800 Gl.	2800
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	2'3" - 2711 Gl.	1'3" - 1750 Gl.	4461
Rio Grande River Receiver	0	0	1'2" - 1634 Gl.	1634
Station 8	0	0	7'9" - 10968 Gl.	10968

District II Total Gallons - 21,613 Gl.

NOTE: Hauled one load of pipeline waste liquid from Station 8, 5,601 gallons.

BA/deb

CC: J. Carter
Dist. File

1200601

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays* CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson* DATE: *February 17, 1986*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GAI
Station 5	0	0	1'5" - 1984	1,984
Station 6	0	0	1'3" - 1750	1,750
Station 7	0	1'10" - 2084 Gl.	1'0" - 1400	3,484
Rio Grande River Receiver	0	0	1'2" - 1634	1,634
Station 8	0	0	11'9" - 16569	16,569

District II Total Gallons - 25,421

NOTE: Hauled one load of liquid, 4,784 gallons from station 7.

BA/deb

CC: J. Carter
Dist. File

1200602

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson*

DATE: *February 5, 1986*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GAI
Station 5	0	0	1'4"	1867
Station 6	0	0	1'3"	1750
Station 7	0	1'8" - 1851 Gl.	4'5"	6184
Rio Grande River Receiver	0	0	1'4"	1867
Station 8	0	0	9'0"	12718

District II Total Gallons - 24,386

BA/deb

CC: J. Carter
Dist. File

1200603

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays 1505 AB

CO/DIV: TWPL, Dist. II

FROM: Bob Anderson

DATE: January 27, 1986

SUBJECT: District II Pipeline Waste Oil Pit And Tank Measurements

	MUFFLER	PIT	500 BBL TANK	TOTAL GA
Station 5	0	0	1'4" - 1867 Gl.	1867
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	1'8" - 1851 Gl.	4'3" - 5950 Gl.	7801
Rio Grande River Receiver	0	0	1'4" - 1867 Gl.	1867
Station 8	0	0	8'3" - 11,668 Gl.	11668

District II Total Gallons - 24,953 Gl.

BA/deb

CC: J. Carter
Dist. File

1200604

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson*

DATE: *January 20, 1986*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GAL.
Station 5	0	0	1'4" - 1867 Gl.	1867
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	1'10" - 2084 Gl.	4'4" - 6068 Gl.	8152
Rio Grande River Receiver	0	0	1'4" - 1867 Gl.	1867
Station 8	0	0	7'6" - 10,618 Gl.	10,618

District II Total Gallons - 24,252 Gl.

BA/deb

CC: J. Carter
Dist. File

1200605

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays* CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson* DATE: *January 13, 1986*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GAI
Station 5	0	0	1'3" - 1750 Gl.	1750
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	1'10" - 2084 Gl.	4'3" - 5950 Gl.	8034
Rio Grande River Receiver	0	0	1'4" - 1867 Gl.	1867
Station 8	0	0	6'7" - 9218 Gl.	9218

District II Total Gallons - 22,619 Gl.

BA/deb

CC: J. Carter
Dist. File

1200606

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays* CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson* DATE: *December 30, 1985*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GA
Station 5	0	0	1'3" - 1750 Gl.	1750
Station 6	0	0	1'4" - 1867 Gl.	1867
Station 7	0	1'8" - 1821 Gl.	4'2" - 5834 Gl.	7655
Rio Grande River Receiver	0	0	1'4" - 1867 Gl.	1867
Station 8	0	0	4'1" - 5717 Gl.	571

District II Total Gallons - 18,856 Gl.

BA/deb

CC: J. Carter
Dist. File

1200607

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays* CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson* DATE: *December 16, 1985*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GA
Station 5	0	0	1'3"-1750 Gl	1750
Station 6	0	0	1'4"-1867 Gl	1867
Station 7	0	1'8"-1851 Gl	4'1"-5717 Gl	7568
Rio Grande River Receiver	0	0	1'4"-1867 Gl	1867
Station 8	0	0	8'5"-11902 Gl	11902

District II Total Gallons - 24,954 Gl.

BA/deb

CC: J. Carter
Dist. File

1200608

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays* CO/DIV: *TWPL, Dist. II*

FROM: *Bob Anderson* DATE: *December 11, 1985*

SUBJECT: *District II Pipeline Waste Oil Pit And Tank Measurements*

	MUFFLER	PIT	500 BBL TANK	TOTAL GAI
Station 5	0	0	1'2" - 1634 Gl.	1634
Station 6	0	0	1'3" - 1750 Gl.	1750
Station 7	0	1'8" - 1851 Gl.	4'1" - 5717 Gl.	7568
Rio Grande River Receiver	0	0	1'4" - 1867 Gl.	1867
Station 8	0	0	8'1" - 11,435 Gl.	11435

District II Total Gallons - 24,254 Gl.

BA/deb

CC: J. Carter
Dist. File

1200609

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL, Dist. II

FROM: Bob Anderson

DATE: December 2, 1985

SUBJECT: District II Pipeline Waste Oil Pit And Tank Measurements

	MUFFLER	PIT	500 BBL TANK	TOTAL GA
Station 5	0	0	1'1"-1517 Gl.	1517
Station 6	0	0	1'3"-1750 Gl.	1750
Station 7	0	1'8"-1851 Gl.	4'1"-5717 Gl.	7568
Rio Grande River Receiver	0	0	1'4"-1867 Gl.	1867
Station 8	0	0	7'4"-10,385 Gl.	10385

District II Total Gallons - 23,087 Gl.

BA/deb

CC: J. Carter
Dist. File

1200610

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen Operations*

FROM: *G.E. Spriggs*

DATE: *November 25, 1985*

SUBJECT: *District II Pit And Tank Measurements*

	PIT	500 BBL TANK	TOTAL GALS
Station #5	0	1'	1,400
Station #6	0	1'3"	1,750
Station #7	Pit-1'10"-2,084 Gl. Muffler-0	4'-5,601 Gl.	7,685
Rio Grande Receiver	Muffler-0	1'4"	1,867
Station #8	0	8'1"	11,435

*Hauled one load Of PCB liquid, 2,727 gallons from station 7.

GES/deb

CC: J. Carter
File

1200611

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen Operations*

FROM: *Emery Spriggs* GES

DATE: *November 20, 1985*

SUBJECT: *District II Pit and Tank Measurements*

	PIT	500 BBL TANK	TOTAL GALS.
Station #5	0	1'	1,400
Station #6	0	1'3"	1,750
Station #7	Pit-2'3"-2,711 Gl. Muffler-0	5'6"-7,701 Gl.	10,412
Rio Grande River Receiver	Muffler-0	1'4"	1,867
Station #8	0	7'3"	10,268

GES/deb

CC: J. Carter
File

1200612

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TPC - Belen Operations

FROM: G.E. Spriggs

DATE: October 21, 1985

SUBJECT: District II Pit and Tank Measurements

LOCATION:	PIT:	500 BBL. TANK:	TOTAL GALS:
Station 5		4'5"	6,184
Station 6		2'4"	3,267
Station 7	Pit 4'7" = 7,485 gl Muffler	5'2" 7,234 gl	14,719
Station 8		13'6"	19,091
Rio Grande River Belen Receiver	Muffler 4" = 89 gl	4'4"	6,157

GES/rgh

cc: J. Carter
File

1200613

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen Operations*

FROM: *Emery Spriggs.* GES

DATE: *November 11, 1985*

SUBJECT: *District II Pit And Tank Measurements*

	PIT	500 BBL TANK	TOTAL GALS.
Station #5		4'6"	6,301
Station #6		1'3"	1,750
Station #7	Pit - 2'3" - 2,711 Gl. Muffler - 0	5'6" - 7,701 Gl.	10,412
Rio Grande River Receiver	Sump - 432 Gl. Muffler - 0	4'5" - 6,184 Gl.	6,616
Station #8		6'11"	9,685

NOTE: Hauled one load from Station #6 and one load from Station #7.

GES/deb

CC: J. Carter
Dist. File

1200614

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, District II*

FROM: *G.E. Spriggs*

DATE: *November 4, 1985*

SUBJECT: *District II Pit and Tank Measurements*

	PIT	500 BBL TANK	TOTAL GALS.
Station #5	0	4'6"	6,303
Station #6	0	2'5"	3,384
Station #7	Pit - 4'7"=7,485 Gl. Muffler = 0	6'6" = 9,101 Gl.	16,586
Station #8	0	3'6"	4,901
Rio Grande River Receiver	Muffler = 4" = 89 Gl.	4'4" = 6,068 Gl.	6,157

GES/deb

CC: J. Carter
File

1200615

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: *David Bays*

CO/DIV: *TWPL, Belen Operations*

FROM: *G.E. Spriggs*

DATE: *October 28, 1985*

SUBJECT: *District II Pit and Tank Measurements*

	PIT	500 BBL TANK	TOTAL GALS.
Station #5	0	4'6"	6,301
Station #6	0	2'4"	3,267
Station #7	Pit - 4'7"=7,485 Gl. Muffler - 0	6'2"=7,234 Gl.	14,719
Station #8	0	2'	2,800
Rio Grande River Receiver	Muffler - 4"=89 Gl.	4'4"=6.068 Gl.	6,157

NOTE: Hauled two loads from 500 Bbl tank at Station #8 last week.

GES/deb

CC: J. Carter
File

1200616

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL, District II

FROM: G.E. Spriggs GES.

DATE: October 14, 1985

SUBJECT: District II Pit And Tank Measurements

	PIT	500 BBL TANK	TOTAL GALS
Station #5	0	4'5"	6,184
Station #6	0	2'4"	3,267
Station #7	Pit-0 Muffler-4'7"=7,485 Gl.	5'2"=7,234 Gl.	14,719
Station #8	0	8'8"	12,252
Rio Grande River Receiver	Muffler-4"=89 Gl.	4'3"=5950 Gl.	6,039

GES/deb

CC: J. Carter
Dist. File

1200617

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL, District II

FROM: G.E. Spriggs

DATE: October 7, 1985

SUBJECT: District II Pit and Tank Measurements

STATION	PIT	500 BBL TANK	TOTAL GALS.
Station #5	0	4'4"	6.068 Gl.
Station #6	0	2'3"	3,150 Gl.
Station #7	Pit-4'7"=7,485 Gl. Muffler=0	5'2"=7,234 Gl.	14,719 Gl.
Station #8	0	5'11"	8,284 Gl.
Rio Grande River Receiver	Muffler=4"=89 Gl.	4'3"=5,950 Gl.	6,039 Gl.

GES/deb

CC: J. Carter
Dist. File

1200618

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co. District II

FROM: G.E. Spriggs GES.

DATE: September 30, 1985

SUBJECT: District II Pit and Tank Measurements

LOCATION	PIT	500 BBL TANK	TOTAL GALS.
Rio Grande	Muffler - 4", 89 Gl.	4'3", 5,950 Gl.	6,039
Station 5	0	4'4"	6,068
Station 6	0	2'3"	3,150
Station 7	Pit, 4'7", 7,485 Gl. Muffler - 0	3'6", 4,901 Gl.	12,386
Station 8	0	5'7"	7,818

GES/deb

CC: J. Carter
Dist. File

1200619

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co. District II

FROM: G.E. Spriggs GES

DATE: September 23, 1985

SUBJECT: District II Pit And Tank Measurements

LOCATIONS	PIT	500 BBL TANK	TOTAL GALLONS
Rio Grande	Muffler-4"-89 Gl.	4'3"	6,039
Station 5	0	4'4"	6,068
Station 6	0	2'3"	3,150
Station 7	4'7"-7,485Gl. Muffler-0	3'6" (4,901)	12,386
Station 8	0	2'10"	3,967

GES/deb

cc: J. Carter
G.E. Spriggs
File

1200620

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Belen Operations

FROM: G.E. Spriggs GES

DATE: September 16, 1985

SUBJECT: District II Pit And Tank Measurements

LOCATION	PIT	500 BBL TANK	TOTAL GLS.
Rio Grande	Muffler-4", 89 Gl.	4'3", 5950 Gl.	6,039
Sta. 5, Thoreau	0	4'4"	6,068
Sta. 6, Laguna	0	2'4"	3,267
Sta. 7, Mountainair	4'7", 7,485 Gl. Muffler - 0	3'6", 4,901 Gl.	12,386
Sta. 8, Corona	No Pit	2'10"	3,967

GES/deb

CC: J. Carter
Dist. File

NOTE: Corrected Copy

1200621

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs

DATE: September 9, 1985

SUBJECT: District II Pit And Tank Measurements

LOCATIONS	PIT	500 BBL TANK	TOTAL GALLONS:
Rio Grande	Muffler - 4", 89 Gl.	4'3"	6,039
Sta. 5, Thoreau	-0-	4'4"	6,068
Sta. 6, Laguna	-0-	2'4"	3,267
Sta. 7, Mountainair	Pit - 4'7", 7485 Gl. Muffler - -0-	3'3"	12,736
Sta. 8, Corona *	No Pit	2'	2,800

* Hauled (1) One Load From Station 8 500 BBL Tank Last Week.

GES/deb

cc: J. Carter
G.E. Spriggs
Dist. File

1200622

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Belen Operations

FROM: G.E. Spriggs GES

DATE: September 3, 1985

SUBJECT: District II Pit And Tank Measurements

LOCATION	PIT	500 BBL TANK	TOTAL GLS
Rio Grande	Muffler-4", 89 Gl.	4'3", 5950 Gl.	6,039
Sta. 5, Thoreau	0	4'4"	6,068
Sta. 6, Laguna	0	2'4"	3,267
Sta. 7, Mountainair	Pit-4'7", 7485 Gl. Muffler - 0	3'3", 4,551 Gl.	12,036
Sta. 8, Corona*	No Pit	5'11"	8,284

*Hauled (2) Two Loads From Station 8 500 BBL Tank Last Week

GES/deb

CC: J. Carter
Dist. File

NOTE: Corrected Copy

1200623

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPLCo. Dist.II

FROM: Emery Spriggs GES.

DATE: August 26, 1985

SUBJECT: Belen Operations - Pit and Tank Measurements

LOCATION:	PIT:	500 BBL TANK:	TOTAL GLS:
Station #5	-0-	4'3"	5,950
Station #6	-0-	2'4"	3,267
Station #7	Pit 4'7"=7,485 Muffler -0-	3'3"=4,551	12,036
Rio Grande	Muffler 4"=89	4'7"=6,418	5,106
Station #8	-0-	14'	19,719

Please note correction at Rio Grande Tank - Last Months actual reading corrected from 6,418 gallons to 5,017 gallons

GES/rgh

cc: J. Carter
File

1200624

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs GES.

DATE: August 19, 1985

SUBJECT: DISTRICT II PIT AND TANK MEASURFMENTS

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5		4'3"	5,950
Station #6		2'4"	3,267
Station #7	Pit 4'7"=7,485	3'3"=4,551	12,036
Rio Grande River Receiver	Muffler 4"=89	4'7"=5,017	5,106
Station #8		8'5½"	11,960

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200625

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs GES.

DATE: August 12, 1985

SUBJECT: DISTRICT II PIT AND TANK MEASUREMENTS

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5	0	3'11"	5,484
Station #6	0	2'4"	3,267
Station #7	Pit 4'7"=7,485 Muffler	3'2"=4,434	11,919
Rio Grande River Receiver	Muffler 4"=89	4'7"=5,017	5,106
Station #8		8'0"	11,318

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200626

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs

DATE: August 6, 1985

SUBJECT: DISTRICT II PIT AND TANK MEASUREMENTS

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5	0	3'10"	5,367
Station #6	0	2'4"	3,267
Station #7	Pit 4'2"=6,463 Muffler 0	3'1½"=4,375	10,838
Rio Grande River Receiver	Muffler 4"=86	3'½"=4,258	4,344
Station #8		7'2"	10,151

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200627

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs GES.

DATE: July 22, 1985

SUBJECT: DISTRICT II PIT AND TANK MEASUREMENTS

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5		3'9"	5,251
Station #6		2'4"	3,267
Station #7	Pit 4'2"=6,463 Muffler 0	2'11"=4,084	10,547
Rio Grande River Receiver	Muffler 4½"=106	2'5½"=3,903	4,015
Station #8		7'6"	10,618

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200628

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs

DATE: July 15, 1985

SUBJECT: DISTRICT II PIT AND TANK MEASUREMENTS

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5		3'8"	5,134
Station #6		2'4"	3,267
Station #7	Pit 4'2"=6,463 Muffler = 0	2'11"=4,084	10,547
Rio Grande River Receiver	Muffler 4½"=106	2'9½"=3,903	4,015
Station #8		10'11"	15,402

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200629

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs GES.

DATE: July 8, 1985

SUBJECT: DISTRICT II PIT AND TANK MEASUREMENTS

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5	0	3'8"	5,134
Station #6	0	2'4"	2,845
Station #7	Pit 4'4"=5,338 Muffler 1'5"-652	2'5"=3,384	9,374
Rio Grande River Receiver	Muffler 4½"=106	29½"=3,903	4,015
Station #8		10'2"	14,352

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200630

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs

DATE: July 1, 1985

SUBJECT: District II Pit and Tank Measurements

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5		3'8"	5,134
Station #6		2'4"	2,845
Station #7	Pit 4'4"=5,338 Muffler 1'5"=652	2'5"=3,384	9,374
Rio Grande River Receiver	Muffler 4½"=106	2'9½"=3,903	4,015
Station #8		9'6"	13,419

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200631

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs GES.

DATE: June 24, 1985

SUBJECT: District II Pit and Tank Measurements

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5	0	3'7"	5,017
Station #6	0	2'4"	3,267
Station #7	4'4"=5,338 Muffler 17"=652	2'5"=3,384	9,374
Rio Grande River Receiver	Muffler 4½"=106	2'9½"=3,903	4,015
Station #8	No pit	9'	12,718

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200632

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: G.E. Spriggs GES.

DATE: June 17, 1985

SUBJECT: District II Pit and Tank Measurements

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5	0	3' 4"	4,667
Station #6	0	2' 3"	2,711
Station #7	4'4"=5338	2'5"=3384	8,722
Rio Grande River Receiver	MUFFLER TANK 4½"=106	2'9½"=3909	4,015
Station #8	No pit	8'8"	12,252

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200633

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co., District II

FROM: Roger LaLonde RL

DATE: June 10, 1985

SUBJECT: District II Pit and Tank Measurements

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5		3'2"	4,434
Station #6		2'3"	3,150
Station #7	3'7"=5,161	2'7½"=3,675	8,836
Rio Grande River Receiver	No pit	2'8½"	3,792
Station #8	No pit	8'3"	11,668

RL/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200634

TRANSWESTERN Pipeline Company

INTEROFFICE CORRESPONDENCE

TO: David Bays

CO/DIV: TWPL Co. District II

FROM: G.E. Spriggs GES.

DATE: June 3, 1985

SUBJECT: District II Pit and Tank Measurements

	PIT	500 BBL. TANK	TOTAL GALS.
Station #5		3'1"	4,317
Station #6		2'3"	3,150
Station #7	3'7"-5161	2'5"=3,384	8,545
Rio Grande River Receiver	No pit	2'8½"	3,792
Station #8	No pit	6'9"	9,451

GES/lrl

cc: J. Carter
G.E. Spriggs
Dist. File

1200635

ATTACHMENT 2.3

PCB Solid Waste

Storage Reports

1200722

.4535924

TRANSWESTERN PIPELINE CO.

Shipped 9-23-86

PCB WASTE

DRUM STORAGE RECORD

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
1-8-86	Sta #8 1 of 3 Contaminated Clothing	35.5 Kg	9-23-86	CWMA 291080
1-8-86	Sta #8 2 of 3 Contaminated clothing	50.6 Kg	9-23-86	CWMA 291080
1-8-86	Sta #8 3 of 3 Contaminated clothing	38.4 Kg	9-23-86	CWMA 291080
1-20-86	Sta #5 1 of 2 Contaminated Soil	52.4 Kg	9-23-86	CWMA 291080
1-20-86	Sta #5 2 of 2 Contaminated Soil	48.6 Kg	9-23-86	CWMA 291080
1-27-86	Belen, NM Rio Grande Rec. Cont. Dirt - Pig Rubber 1 of 4	313.1 Kg	9-23-86	CWMA 291080
1-27-86	Rio Grande Rec. 2 of 4 Cont. Dirt - Pig Rubbers	107.7 Kg	9-23-86	CWMA 291080
1-27-86	Belen, N.M 3 of 4 Pig Rubbers - Dirt	149.3 Kg	9-23-86	CWMA 291080
1-27-86	Belen, NM 4 of 4 Pig Rubbers	107.7 Kg	9-23-86	CWMA 291080
1-27-86	Rio Grande Receiver 1 of 3 Pig Rubbers - Dirt	107.1 Kg	9-23-86	CWMA 291080
1-27-86	Rio Grande Rec. 2 of 3 Dirt	189.6 Kg	9-23-86	CWMA 291080
1-27-86	Rio Grande Receiver 3 of 3 Pig Rubbers	95.3 Kg	9-23-86	CWMA 291080
5-28-86	Sta #2 Flag, AZ 1 of 1 Pipeline waste	57 Kg	9-23-86	CWMA 291080
5-28-86	Sta #2 Flag, AZ 1 of 3 Pig Rubbers	58 Kg	9-23-86	CWMA 291080
5-28-86	Sta #2 Flag, AZ 2 of 3 Pig Rubbers	148 Kg	9-23-86	CWMA 291080
5-28-86	Sta #2 Flag, AZ 3 of 3 Pig Rubbers	91 Kg	9-23-86	CWMA 291080
6-6-86	Belen, NM 1 of 4 Used Pig Rubbers	93.7 Kg	9-23-86	[illegible]

1200723

TRANSWESTERN PIPELINE CO.

PCB WASTE

DRUM STORAGE RECORD

Shipped 9-23-86

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
6-6-86	Belen, N.M 2 of 4 used Pig Rubbers	107 Kg	9-23-86	CWMA 291080
6-6-86	Belen, N.M 3 of 4 used Pig Rubbers	91 Kg	9-23-86	CWMA 291080
6-6-86	Belen, N.M 4 of 4 used Pig Rubbers	85 Kg	9-23-86	CWMA 291080
6-30-86	STA#1-SELIGMAN AZ 1 of 16 SCRUBBER FILTER ELEMENTS	29 Kg	9-23-86	CWMA 291080
6-30-86	STA#1 SELIGMAN AZ 2 of 16 SCRUBBER FILTER ELEMENTS	28.5 kg	9-23-86	CWMA 291080
6-30-86	STA 1 SELIGMAN AZ 3 of 16 SCRUBBER FILTER ELEMENTS	28.5 kg	9-23-86	CWMA 291080
6-30-86	STA 1 SELIGMAN, AZ 4 of 16 SCRUBBER FILTER ELEMENTS	29.4 kg	9-23-86	CWMA 291080
6-30-86	STA 1 SELIGMAN, AZ 5 of 16 SCRUBBER FILTER ELEMENT	33.5 kg	9-23-86	CWMA 291080
6-30-86	STA 1 SELIGMAN AZ 6 of 16 SCRUBBER FILTER ELEMENT	28.5 kg	9-23-86	CWMA 291080
6-30-86	STA 1 SELIGMAN, AZ 7 of 16 SCRUBBER FILTER ELEMENT	34.4 kg	9-23-86	CWMA 291080
6-30-86	STA#1 SELIGMAN AZ 8 of 16 SCRUBBER FILTER ELEMENT	29.0	9-23-86	CWMA 291080
6-30-86	STA 1 SELIGMAN AZ 9 of 16 SCRUBBER FILTER ELEMENT	28.5 Kg	9-23-86	CWMA 291080
6-30-86	STA#1 SELIGMAN AZ 10 of 16 SCRUBBER FILTER ELEMENT	28.5 Kg	9-23-86	CWMA 291080
6-30-86	STA#1 SELIGMAN AZ 11 of 16 SCRUBBER FILTER ELEMENT	29 Kg	9-23-86	CWMA 291080
6-30-86	STA#1 SELIGMAN AZ 12 of 16 SCRUBBER FILTER ELEMENT	34.4 kg	9-23-86	CWMA 291080
6-30-86	STA#1 SELIGMAN AZ 13 of 16 SCRUBBER FILTER ELEMENT	34 Kg	9-23-86	CWMA 291080
6-30-86	STA#1 SELIGMAN AZ 14 of 16 SCRUBBER FILTER ELEMENT	33.5 Kg	9-23-86	CWMA [illegible]

1200724

Shipped 9-23-86

TRANSWESTERN PIPELINE CO.

PCB WASTE

DRUM STORAGE RECORD

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
6-30-86	STA 1 SELIGMAN AZ 15gal lb SCRUBBER FILTER ELEMENT	29 Kg	9-23-86	CWMA 291080
6-30-86	STA #1 SELIGMAN AZ 16gal lb SCRUBBED FILTER ELEMENT	23.1 Kg	9-23-86	CWMA 291080
7-23-86	1 Drum GLASSWARE used for DISTRICT PCB ANALYSIS	49.4 KG.	9-23-86	CWMA 291080
8-11-86	STA # 4 1 of 3 Soil SAMPLE	30 Kilo	9-23-86	CWMA 291080
8-11-86	STA # 4 2 of 3 Safety Equipt.	53 Kilo	9-23-86	CWMA 291080
8-11-86	STA # 4 3 of 3 Safety Equipt.	93 Kilo	9-23-86	CWMA 291080
8-12-86	Belen, Rio Grande Pig Rubbers 1 of 4	274 Kilo	9-23-86	CWMA 291080
8-12-86	Belen, Rio Grande Pig Rubbers 2 of 4	102 Kilo	9-23-86	CWMA 291080
8-12-86	Belen, Rio Grande Pig Rubbers 3 of 4	98 Kilo	9-23-86	CWMA 291080
8-12-86	Belen, Rio Grande Pig Rubbers 4 of 4	370 Kilo	9-23-86	CWMA 291080
8-12-86	Sta # 7 1 of 5 Soil Safety Equipt, plastic	65 Kilo	9-23-86	CWMA 291080
8-12-86	Sta # 7 2 of 5 Soil, Safety Equipt, Plastic	160 Kilo	9-23-86	CWMA 291080
8-12-86	Sta # 7 3 of 5 Soil, Safety Equipt, plastic	179 Kilo	9-23-86	CWMA 291080
8-12-86	Sta # 7 4 of 5 Soil, Safety Equipt plastic	278 Kilo	9-23-86	CWMA 291080
8-12-86	Sta # 7 5 of 5 Soil, Safety Equipt, plastic	88 Kilo	9-23-86	CWMA 291080
8-15-86	Sta 3 1 of 2 Soil Sample	561 254 Kilo	9-23-86	CWMA 291080
8-15-86	Sta 3 1 of 2 Soil Sample	606 275 Kilo	9-23-86	CWMA [illegible]

1200725

TRANSWESTERN PIPELINE CO.

Shipped 9-23-86

PCB WASTE

DRUM STORAGE RECORD

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
8-15-86	Sta 3 1 of 3 Soil, Safety Equipt/plastic	116 53 Kilo	9-23-86	CWMA 29080
8-15-86	Sta 3 1 of 4 Soil Sample	56 7.57 Kilo	9-23-86	CWMA 29080
8-15-86	Sta 3 1 of 5 Soil Safety Equipt. Plastic	175 79 Kilo	9-23-86	CWMA 29080
9-10-86	1 of 6 Soil samples	474 lbs 215	9-23-86	CWMA 29080
9-10-86	2 of 6 Disposable Safety Equipt.	137 lbs 62	9-23-86	CWMA 29080
9-10-86	3 of 6 Safety Equipt.	~~[illegible]~~ lbs 152 69	9-23-86	CWMA 29080
9-10-86	4 of 6 Safety Equipt.	91 lbs 41	9-23-86	CWMA 29080
9-10-86	5 of 6 Safety Equipt.	149 lbs 66	9-23-86	CWMA 29080
9-10-86	6 of 6 Safety Equipt.	142 lbs 64	9-23-86	CWMA 29080
		Total 12,750.7		

1200726

1985

All these barrels shipped for disposal 9-23-86

TRANSWESTERN PIPELINE CO.

PCB WASTE

DRUM STORAGE RECORD

STATION #5

Richard [illegible] R.L.

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
11-20-85	#1 of 17 Pipeline WASTE-Pig Rubbers	186.6 Kg	9-23-86	CWMA 291080
11-20-85	#2 of 17 Pipeline waste-Pig Rubbers	189.3 Kg	9-23-86	CWMA 291080
11-20-85	#3 of 17 Pipeline WASTE-Pig Rubbers	88.4 Kg	9-23-86	CWMA 291080
11-20-85	#4 of 17 Contaminated Dirt	291.1 Kg	9-23-86	CWMA 291080
11-20-85	#5 of 17 Contaminated Dirt	298.6 Kg	9-23-86	CWMA 291080
11-20-85	#6 of 17 Pipeline WASTE	345.3 Kg	9-23-86	CWMA 291080
? 11-20-85	#7 of 17 Pipeline WASTE	356.8 Kg	9-23-86	CWMA 291080
11-20-85	#8 of 17 Pig Rubbers	104 Kg	9-23-86	CWMA 291080
11-20-85	#9 of 17 Pig Rubbers	99.1 Kg	9-23-86	CWMA 291080
11-20-85	#10 of 17 Pig Rubbers	112.8 Kg	9-23-86	CWMA 291080
11-20-85	#11 of 17 Pig Rubbers	124.4 Kg	9-23-86	CWMA 291080
11-20-85	#12 of 17 Pipeline WASTE	239.1 Kg	9-23-86	CWMA 291080
11-20-85	#13 of 17 Contaminated Soil	192.4 Kg	9-23-86	CWMA 291080
11-20-85	#14 of 17 Pig Rubbers	104.6 Kg	9-23-86	CWMA 291080
11-20-85	#15 of 17 Pig Rubbers	80.8 Kg	9-23-86	CWMA 291080
11-20-85	#16 of 17 Pig Rubbers	80 Kg	9-23-86	CWMA 291080
11-20-85	#17 of 17 Contaminated Soil	274.6 Kg	9-23-86	CWMA [illegible]

1200727

1985

TRANSWESTERN PIPELINE CO.

PCB WASTE

DRUM STORAGE RECORD

STATION #5

Rachel [illegible]

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
11-20-85	#1 of 4 Contaminated Soil	300.4 Kg	9-23-86	CWMA 291080
11-20-85	#2 of 4 Contaminated Soil	300.4 Kg	9-23-86	CWMA 291080
11-20-85	#3 of 4 Contaminated Soil	303.7 Kg	9-23-86	CWMA 291080
11-20-85	#4 of 4 Contaminated Soil	298.2 Kg	9-23-86	CWMA 291080

1200728

1985

TRANSWESTERN PIPELINE CO.

PCB WASTE

DRUM STORAGE RECORD

STATION #5

Richard [illegible] RL

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
11-20-85	#1 of 17 Pipeline WASte-Pig Rubber	186.6 KM		
11-20-85	#2 of 17 Pipeline WASte-Pig Rubber	189.3 KM		
11-20-85	#3 of 17 Pipeline WASte-Pig Rubbers	88.4 KM		
11-20-85	#4 of 17 Contaminated Dirt	291.1 KM		
11-20-85	#5 of 17 Contaminated Dirt	298.6 KM		
11-20-85	#6 of 17 Pipeline WASte	345.3 KM		
11-20-85	#7 of 17 Pipeline WASte	356.8 KM		
11-20-85	#8 of 17 Pig Rubbers	104 KM		
11-20-85	#9 of 17 Pig Rubbers	99.1 KM		
11-20-85	#10 of 17 Pig Rubbers	112.8 KM		
11-20-85	#11 of 17 Pig Rubbers	124.4 KM		
11-20-85	#12 of 17 Pipeline WASte	239.1 KM		
11-20-85	#13 of 17 Contaminated Soil	192.4 KM		
11-20-85	#14 of 17 Pig Rubbers	104.6 KM		
11-20-85	#15 of 17 Pig Rubbers	80.8 KM		
11-20-85	#16 of 17 Pig Rubbers	80 KM		
11-20-85	#17 of 17 Contaminated Soil	274.6 KM		

1200723

1985

TRANSWESTERN PIPELINE CO.

PCB WASTE

DRUM STORAGE RECORD

STATION #5

Richard [illegible]

Storage Date	Description Of Waste	Quantity Kilograms or Gal.	Shipping Date	Manifest Number
11-20-85	#1 of 4 Contaminated Soil	300.4 KM		
11-20-85	#2 of 4 Contaminated Soil	300.4 KM		
11-20-85	#3 of 4 Contaminated Soil	303.7 KM		
11-20-85	#4 of 4 Contaminated Soil	298.2 KM		
				1200730

ATTACHEMENT 4.1

Pipeline Condensate Samples

Uncontaminated Mainline in Texas

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-013

FACILITY: FT. STOCKTON, TX.-PUCKETT PLANT

SAMPLED BY: BAYS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-13-81
DATE ANALYSED: 04-23-81

FLASH POINT: N.D.

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: .9 PPM

REMARKS: SAMPLED AT DRIP TANK

PREPARED BY: TIM SIEVERT
DATE: 04-27-81

1200732

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-014

FACILITY: FT. STOCKTON, TX.-GOMEZ CONTROL CENTER

SAMPLED BY: BAYS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-13-81
DATE ANALYSED: 04-23-81

FLASH POINT: N.D.

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 10.6 PPM

REMARKS: SAMPLED AT DRIP TANK

PREPARED BY: TIM SIEVERT
DATE: 04-27-81

1200733

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-015

FACILITY: FT. STOCKTON, TX.-CHENOT-PUTNAM PLANT

SAMPLED BY: BAYS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-13-81
DATE ANALYSED: 04-23-81

FLASH POINT: N.D.

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9666667 MICROLITERS

TOTAL PCB IN SAMPLE: 446.1 PPM

IN ERROR - RETESTED 2.6 PPM

REMARKS: SAMPLED AT DRIP TANK

PREPARED BY: TIM SIEVERT
DATE: 04-27-81

1200734

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-015

FACILITY: T.W., FT. STOCKTON, TX - CHENOT-PUTNAM PLANT

SAMPLED BY: BAYS
SAMPLE TYPE: DISTILLATE
ANALYSIS BY: HS

DATE SAMPLED: 04-13-81
DATE ANALYSED: 05-04-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 2.6 PPM

REMARKS: RE-ANALYZED

PREPARED BY: SEELEY
DATE: 05-04-81

RECEIVED
PIPELINE OPE[illegible]S
MAY 0 6 1981

1200735

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-016

FACILITY: T.W. - FT. STOCKTON,TX, CHENOT-PUTNAM COMP

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 04-14-81

DATE ANALYSED: 04-24-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 1.3 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 04-28-81

1200730

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-018

FACILITY: T.W., FT. STOCKTON, TX - PECOS RIVER SOLAR YARD

SAMPLED BY: BAYS
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
DATE ANALYSED: 04-24-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: .9 PPM

REMARKS: OIL PHASE SAMPLE FROM CONDENSATE DRIP TANK.

PREPARED BY: SEELEY
DATE: 04-28-81

1200737

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-019

FACILITY: T.W., FT. STOCKTON, TX - W. WAHA COMPRESSOR

SAMPLED BY: BAYS
DATE SAMPLED: 04-20-81
SAMPLE TYPE: CONDENSATE - WATER PHASE
TIME OF SAMPLE: 10:30 A.M.
ANALYSIS BY: HS
DATE ANALYSED: 05-18-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT 210 BBL. TANK.

PREPARED BY: SEELEY
DATE: 05-18-81

1200738

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-020

FACILITY: T.W., FT. STOCKTON, TX

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
TIME OF SAMPLE: 9:00 A.M.
DATE ANALYSED: 05-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9625 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM

REMARKS: SAMPLED AT PECOS RIVER SOLAR YARD

PREPARED BY: SEELEY
DATE: 05-15-81

1200739

RECEIVED
PIPELINE OPERATIONS
MAY 20 1981

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-021

FACILITY: T.W., FT. STOCKTON, TX

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
TIME OF SAMPLE: 10:30 A.M.
DATE ANALYSED: 05-19-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: WEST WAHA COMPRESSORS - 210 BBL. TANK.

PREPARED BY: SEELEY
DATE: 05-19-81

1200740

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-022

FACILITY: T.W., FT. STOCKTON, TX - 8 '' WAHA COMPRESSOR

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
TIME OF SAMPLE: 11:30 A.M.
DATE ANALYSED: 05-18-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT NORTH 210 BBL. TANK.

PREPARED BY: SEELEY
DATE: 05-18-81

1200741

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-023

FACILITY: T.W., FT. STOCKTON, TX - 8'' WAHA COMPRESSOR

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
TIME OF SAMPLE: 11:30 A.M.
DATE ANALYSED: 05-18-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM

REMARKS: SAMPLED AT NORTH 210 BBL. TANK

PREPARED BY: SEELEY
DATE: 05-18-81

1200742

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-028

FACILITY: T.W., KERMIT,TX - NORTH CRAWAR

SAMPLED BY: BAILEY
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
DATE ANALYSED: 05-05-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9833333 MICROLITERS

TOTAL PCB IN SAMPLE: 2.9 PPM

REMARKS: SAMPLED AT EAST TANK.

PREPARED BY: SEELEY
DATE: 05-05-81

1200743

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-030

FACILITY: T.W., KERMIT,TX - SOUTH CRAWAR

SAMPLED BY: BAILEY
DATE SAMPLED: 04-20-81
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS
DATE ANALYSED: 05-05-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 2.4 PPM

REMARKS: TANK

PREPARED BY: SEELEY
DATE: 05-05-81

1200744

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-031

FACILITY: T.W., KERMIT,TX - NORTH CRAWAR

SAMPLED BY: BAILEY
DATE SAMPLED: 04-20-81
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS
DATE ANALYSED: 05-05-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 2.4 PPM

REMARKS: SAMPLED AT WEST TANK.

PREPARED BY: SEELEY
DATE: 05-05-81

1200745

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-033

FACILITY: T.W., KERMIT,TX - NORTH CRAWAR PIT

SAMPLED BY: SMITH
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
TIME OF SAMPLE: 11:15 A.M.
DATE ANALYSED: 05-06-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 3.7 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-07-81

1200746

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-034

FACILITY: T.W., KERMIT TX - HALLEY PLANT

SAMPLED BY: MCGEE
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-14-81
TIME OF SAMPLE: 3:00 P.M.
DATE ANALYSED: 05-06-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.025 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 0.7 ppm

REMARKS: SAMPLED FROM WASTE LIQUID PIT.

PREPARED BY: SEELEY
DATE: 05-06-81

1200747

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-035

FACILITY: T.W., KERMIT, TX - WALTON PLANT

SAMPLED BY: THOMPSON
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-16-81
TIME OF SAMPLE: 2:25 P.M.
DATE ANALYSED: 05-06-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.025 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 0.9 ppm.

REMARKS: SAMPLED AT WASTE LIQUID PIT.

PREPARED BY: SEELEY
DATE: 05-07-81

1200748

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-036

FACILITY: T.W., KERMIT,TX - KEYSTONE PLANT

SAMPLED BY: WHITE
SAMPLE TYPE: WATER & DRAIN WASTE
ANALYSIS BY: HS

DATE SAMPLED: 04-13-81
TIME OF SAMPLE: 3:30 P.M.
DATE ANALYSED: 05-06-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.025 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 0.3 ppm

REMARKS: SAMPLED AT SLOP TANK.

PREPARED BY: SEELEY
DATE: 05-07-81

1200749

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JUN 1981
MEASUREMENT DEPT.

DAT

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-079

FACILITY: T.W., FT. STOCKTON, TX - GOMEZ CONTROL CENTER

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-27-81
TIME OF SAMPLE: 11:30 A.M.
DATE ANALYSED: 06-02-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.025 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT CONDENSATE TANK.

PREPARED BY: SEELEY
DATE: 06-02-81

1200750

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-080

FACILITY: T.W., FT. STOCKTON, TX - CHENOT-PUTNAM

SAMPLED BY: BAYS
DATE SAMPLED: 04-27-81
SAMPLE TYPE: CONDENSATE - OIL PHASE
TIME OF SAMPLE: 10:00 A.M.
ANALYSIS BY: HS
DATE ANALYSED: 06-02-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .7 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT CONDENSATE TANK.

PREPARED BY: SEELEY
DATE: 06-02-81

1200751

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-082

FACILITY: T.W., FT. STOCKTON, TX - WAPPLES-PLATTER

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-29-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 05-20-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .725 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-20-81

W 1200752

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-083

FACILITY: T.W., FT. STOCKTON, TX - HENDERSON DRIP

SAMPLED BY: BAYS
DATE SAMPLED: 04-27-81
SAMPLE TYPE: CONDENSATE - OIL PHASE
TIME OF SAMPLE: 11:00 A.M.
ANALYSIS BY: HS
DATE ANALYSED: 05-20-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .825 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-20-81

W

1200753

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MAY 22 1981

MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-084

FACILITY: T.W., FT. STOCKTON, TX - PYOTE PLANT

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - OIL PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-29-81
TIME OF SAMPLE: 12:15 P.M.
DATE ANALYSED: 05-20-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-20-81

1200754

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-114

FACILITY: T.W., KERMIT, TX - SOUTH CRAWAR PIT

SAMPLED BY: HAYES
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-20-81
TIME OF SAMPLE: 10:45 A.M.
DATE ANALYSED: 06-08-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 11 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-08-81

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JUL 23 1981

1200755

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-115

FACILITY: T.W., KERMIT,TX - GETTY-CAMPBELL SOUTH PIT

SAMPLED BY: HAYES DATE SAMPLED: 04-20-81
SAMPLE TYPE: CONDENSATE - WATER PHASE TIME OF SAMPLE: 9:00 A.M.
ANALYSIS BY: HS DATE ANALYSED: 06-05-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .825 MICROLITERS

TOTAL PCB IN SAMPLE: 15 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-05-81

RECEIVED
PIPELINE OPERATIONS
JUN 0 8 1981

1200756

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-116

FACILITY: T.W., FT. STOCKTON, TX - WAPPLES-PLATTER

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-29-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 06-03-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT CONDENSATE TANK.

PREPARED BY: SEELEY
DATE: 06-03-81

1200757

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-117

FACILITY: T.W., FT. STOCKTON, TX - PUCKETT PLANT

SAMPLED BY: BAYS
DATE SAMPLED: 04-27-81
SAMPLE TYPE: CONDENSATE - WATER PHASE
TIME OF SAMPLE: 9:00 A.M.
ANALYSIS BY: HS
DATE ANALYSED: 06-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT CONDENSATE TANK.

PREPARED BY: SEELEY
DATE: 06-04-81

1200758

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-118

FACILITY: T.W., FT. STOCKTON, TX - PYOTE PLANT

SAMPLED BY: BAYS
SAMPLE TYPE: CONDENSATE - WATER PHASE
ANALYSIS BY: HS

DATE SAMPLED: 04-29-81
TIME OF SAMPLE: 12:15 P.M.
DATE ANALYSED: 06-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT CONDENSATE TANK.

PREPARED BY: SEELEY
DATE: 06-04-81

1200759

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-120

FACILITY: T.W., KERMIT, TX - GETTY-CAMPBELL NORTH PIT

SAMPLED BY: HAYES
DATE SAMPLED: 04-20-81
SAMPLE TYPE: CONDENSATE - WATER PHASE
TIME OF SAMPLE: 9:00 A.M.
ANALYSIS BY: HS
DATE ANALYSED: 06-08-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-08-81

RECEIVED
PIPELINE OPERATIONS
JUN 10 1981

1200760

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-121

FACILITY: T.W., FT. STOCKTON, TX - CHENOT-PUTNAM

SAMPLED BY: BAYS DATE SAMPLED: 05-05-81
SAMPLE TYPE: CONDENSATE - WATER PHASE TIME OF SAMPLE: 9:15 A.M.
ANALYSIS BY: HS DATE ANALYSED: 06-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 9 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT CONDENSATE TANK.

PREPARED BY: SEELEY
DATE: 06-04-81

W

1200761

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-127

FACILITY: T.W., GRIGGS 3 STATION - SAMPLE #17-1

SAMPLED BY: BARBEE
SAMPLE TYPE: WATER
ANALYSIS BY: HS

DATE SAMPLED: 05-13-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 06-16-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-16-81

RECEIVED
PIPELINE OPERATIONS
JUN 17 1981

1200762

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-128

FACILITY: T.W., CACTUS STATION, SAMPLE #17-2

SAMPLED BY: BARBEE
SAMPLE TYPE: WATER/OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-13-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 06-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-12-81

1200763

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-129

FACILITY: CANADIAN, TX - MENDOTA STATION

SAMPLED BY: BAKER
SAMPLE TYPE: WATER & CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-19-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 06-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .875 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-15-81

1200764

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-223

FACILITY: T.W., STA. 2 PIG TRAP - SAMPLE #558-2

SAMPLED BY: KELLEY
SAMPLE TYPE: PIPELINE WASTE
ANALYSIS BY: HS

DATE SAMPLED: 06-05-81
TIME OF SAMPLE: 8:00 A.M.
DATE ANALYSED: 07-06-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICRULITERS

TOTAL PCB IN SAMPLE: 308 PPM

REMARKS: SAMPLED AFTER PIG RUN FROM STA. 3 TO STA. 2.

PREPARED BY: SEELEY
DATE: 07-07-81

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PIPELINE OPERATIONS
JUL 0 8 1981

1200765

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-271

FACILITY: T.W., HEMPHILL CO. - CANADIAN SALES

SAMPLED BY: ONEAL
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 03-22-82
TIME OF SAMPLE: 9:45 A.M.
DATE ANALYZED: 04-06-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .983333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.025 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: THIS SAMPLE IS PART OF EPA MONITORING PROGRAM.

PREPARED BY: SEELEY
DATE: 04-06-82

1200766

Mr. Williams

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MEASUREMENT
DEPARTMENT
JUL 9 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-464

FACILITY: T.W., CANADIAN - HEMPHILL CO. STA.

SAMPLED BY: BRATSOSNS
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-29-82
TIME OF SAMPLE: 9:30 AM
DATE ANALYZED: 07-08-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9625 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-08-82

RECEIVED
PIPELINE OPERATIONS
JUL 09 1982

RECEIVED
JUL 9 1982
T. A. HERON

1200767

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-647

FACILITY: T W , HEMPHILL CO. SALES

SAMPLED BY: MB
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 09-02-82
TIME OF SAMPLE: 10:15 AM
DATE ANALYZED: 09-27-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-27-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
SEP 29 1982
T. A. HERON

1200768

DAT Mr. Williams

RECEIVED
MEASUREMENT
DEPARTMENT
JAN 10 1983

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-005

FACILITY: T.W., 60043. HEMPHILL CO.

SAMPLED BY: JMB
SAMPLE TYPE: METER RUN LIQUID
ANALYSIS BY: HS

DATE SAMPLED:12-27-82
TIME OF SAMPLE:2:00 PM
DATE ANALYZED:01-08-83

CONCENTRATION OF STANDARD: 3 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
PIPELINE OPERATIONS
JAN 10 1983

RECEIVED
JAN 10 1983
T. A. HERON

1200769

TENN EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
SCF-154

FACILITY: T.W., F-3 PIPE SLUDGE SAMPLE

SAMPLED BY: ROLLINS
SAMPLE TYPE: SLUDGE
ANALYSIS BY: HS

DATE SAMPLED: NA
TIME OF SAMPLE: NA
DATE ANALYZED: 03-18-83

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: = 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 03-18-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-ENCL "ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS".

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MAR 31 1983

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MAR 22 1983
T. A. HERON

1200770

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-291

ACILITY: T.W., HEMPHILL CO. SALES

SAMPLED BY: JMB
MPLE TYPE: CONDENSATE
ALYSIS BY: HS

DATE SAMPLED:03-02-83
TIME OF SAMPLE:3:00 PM
DATE ANALYZED:03-23-83

ONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

OTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:03-23-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
PIPE
MAR 24 1983

RECEIVED
MAR 25 1983
T. A. HERON

1200771

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-522

FACILITY: T.W., HEMPHILL CO. SALES

AMPLED BY: JMB
SAMPLE TYPE: CONDENSATE
IALYSIS BY: HS

DATE SAMPLED:06-03-83
TIME OF SAMPLE:9:45 AM
DATE ANALYZED:06-22-83

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
ILUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:06-22-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200772

DAT
Mr Walker

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MEASUREMENT
DEPARTMENT
OCT 11 1983

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
OCT 12 1983
OPERATIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-901

FACILITY: T.W., HEMPHILL CO. - CANADIAN

SAMPLED BY: JMB
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:4:30 PM
DATE ANALYZED:10-10-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:10-11-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

10-13-83
C — PCB Flat
D —
12 Oct 83

1200773

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-1125

FACILITY: T.W., HEMPHILL SALES

SAMPLED BY: BOOTMAN
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED:12-05-83
TIME OF SAMPLE:12:30 PM
DATE ANALYZED:12-20-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-20-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200774

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-434

ACILITY: T.W., HEMPHILL COUNTY SALES

SAMPLED BY: JMB
SAMPLE TYPE: CONDENSATE
ALYSIS BY: HS

DATE SAMPLED:03-05-84
TIME OF SAMPLE:3:15 PM
DATE ANALYZED:04-02-84

CONCENTRATION OF STANDARD: 1.8 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1 MICROLITERS
LUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:04-04-84

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200775

Mr. Walter

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-745

FACILITY: T.W., HEMPHILL CO. SALES

SAMPLED BY: BOATMAN
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED:06-04-84
TIME OF SAMPLE:10:30 AM
DATE ANALYZED:06-25-84

CONCENTRATION OF STANDARD: 1.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:06-25-84

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCBS IN TRANSFORMER FLUID AND WASTE OILS'.

GHW 6/26/84 Dist.
A. B. Jarnagin
J. C. Williams
File

CRS
C-
P- *PCB File
3 July 84

1200776

RECEIVED
SEP 25 1984
GEOLOGICAL
COMPLIANCE

EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
[illegible]

FACILITY: T.W.I. MEMPHILL CO. SALES

SAMPLED BY: BOATMAN
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: AS

DATE SAMPLED: 09-04-84
TIME OF SAMPLE: 9:45 AM
DATE ANALYZED: 09-13-84

CONCENTRATION OF STANDARD: [illegible] NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY: [illegible]
DATE: [illegible]-84

*ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCBS IN TRANSFORMER FLUID AND WASTE OILS'.

SEP

1200777

RECEIVED
MEASUREMENT
DEPARTMENT
JAN 10 1985

Mr. Walker

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-1361

FACILITY: COMPOSITE FROM W. TEX. LAT. & PANHANDLE LAT. STA.9

SAMPLED BY: COX
SAMPLE TYPE: F/L LIQUIDS
ANALYSIS BY: MFM

DATE SAMPLED:12-18-84
TIME OF SAMPLE:9:00AM
DATE ANALYZED:01-09-85

CONCENTRATION OF STANDARD: 2.53 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 2.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:MFM
DATE:01-09-85

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCBS IN TRANSFORMER FLUID AND WASTE OILS'.

1200778

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84F-1577

FACILITY: T.W., HEMPHILL CO. SALES

SAMPLED BY: BOATMAN
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: MS

DATE SAMPLED:12-06-84
TIME OF SAMPLE:NA
DATE ANALYZED:01-08-85

CONCENTRATION OF STANDARD: .25 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 2.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-08-85

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCBS IN TRANSFORMER FLUID AND WASTE OILS'.

1200779

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APR 22 1985
OPERATIONAL COMPLIANCE

TEXAS-EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
85P-612

FACILITY: T.W., HEMPHILL CO. SALES

SAMPLED BY: BOATMAN
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED:03-04-85
TIME OF SAMPLE:3:00 PM
DATE ANALYZED:04-19-85

CONCENTRATION OF STANDARD: 1.5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 2.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:04-19-85

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCBS IN TRANSFORMER FLUID AND WASTE OILS'.

GHW 4/22/85 Dist.
A. B. Jarnagin
J. C. Williams
File

CRS
P-4 PCB file
22 Apr 85

1200780

ATTACHMENT 4.2

Pipeline Condensate Samples

Uncontaminated Mainline in New Mexico

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-017

FACILITY: T.W., ARTESIA, NM - ATOKA 3 DRIP TANK

SAMPLED BY: GARRATT
DATE SAMPLED: 04-14-81
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS
DATE ANALYSED: 04-24-81

FLASH POINT: ND

CONCENTRATION OF STANDARD: 5.19 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: .9 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 04-28-81

1200782

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-057

FACILITY: T.W., STA. 9 - ROSWELL, NM

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-03-81
TIME OF SAMPLE: 9:30 A.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT OPEN DIRT PIT.

PREPARED BY: SEELEY
DATE: 05-12-81

RECEIVED
PIPELINE OPERATIONS
MAY 13 1981

1200783

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-058

FACILITY: T.W. - WT-1 CEMENT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 11:30 A.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-12-81

RECEIVED
OPERATIONS
MAY 1 3 1981

1200784

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-059

FACILITY: T.W., SOUTH CARLSBAD

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT CEMENT PIT.

PREPARED BY: SEELEY
DATE: 05-12-81

RECEIVED
PIPELINE OPERATIONS
MAY 13 1981

1200785

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-060

FACILITY: T.W., CRAWFORD CEMENT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 8:30 A.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-12-81

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PIPELINE OPERATIONS
MAY 13 1981

1200786

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-061

FACILITY: T.W., ATOKA #1

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 1:45 P.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .875 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT SMALL HOLDING TANK.

PREPARED BY: SEELEY
DATE: 05-12-81

RECEIVED
PIPELINE OPERATIONS
MAY 13 1981

1200787

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-062

FACILITY: T.W., WT-1 DIRT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 11:45 A.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-12-81

RECEIVED
PIPELINE OPERATIONS
MAY 13 1981

1200788

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-063

FACILITY: T.W., BLACK RIVER CEMENT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 9:00 A.M.
DATE ANALYSED: 05-13-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-13-81

1200789

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-064

FACILITY: T.W., BURTON FLAT #2

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 10:45 A.M.
DATE ANALYSED: 05-13-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.016667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT FIBERGLASS TANK.

PREPARED BY: SEELEY
DATE: 05-13-81

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MAY 13 1981
MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-065

FACILITY: T.W., ATOKA #3

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 4:00 P.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.025 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT SILVER HOLDING TANK.

PREPARED BY: SEELEY
DATE: 05-12-81

RECEIVED
PIPELINE OPERATIONS
MAY 13 1981

1200791

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-068

FACILITY: T.W., ATOKA #3 BLUE HOLDING TANK

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 3:45 P.M.
DATE ANALYSED: 05-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-15-81

1200792

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-069

FACILITY: T.W., CRAWFORD HOLDING TANK

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 8:15 A.M.
DATE ANALYSED: 05-18-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-18-81

1200793

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-071

FACILITY: T.W., ATOKA #3 CEMENT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 4:15 P.M.
DATE ANALYSED: 05-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-15-81

1200794

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-072

FACILITY: T.W., ATOKA #1 LARGE HOLDING TANK

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 05-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-15-81

1200795

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-073

FACILITY: T.W., WT-1 HOLDING TANK

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 11:15 A.M.
DATE ANALYSED: 05-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-15-81

1200796

Sam Williams

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MAY 18 1981
MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-074

FACILITY: T.W., YATES PLANT CEMENT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 4:30 P.M.
DATE ANALYSED: 05-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-15-81

1200797

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MAY 20 1981

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-075

FACILITY: T.W., ATOKA #2 HOLDING TANK

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 2:45 P.M.
DATE ANALYSED: 05-19-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-19-81

1200798

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-076

FACILITY: T.W., YATES PLANT HOLDING TANK

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-03-81
TIME OF SAMPLE: 4:45 P.M.
DATE ANALYSED: 05-19-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-19-81

1200793

RECEIVED
MAY 20 1981
MEASUREMENT DEPT.

RECEIVED
PIPELINE OPERATIONS
MAY 20 1981

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-077

FACILITY: T.W., HUBER PLANT

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 9:30 A.M.
DATE ANALYSED: 05-19-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: SAMPLED AT FIBERGLASS TANK.

PREPARED BY: SEELEY
DATE: 05-19-81

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RECEIVED
MAY 19 1981
MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-078

FACILITY: T.W., ATOKA #2 CEMENT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 3:00 P.M.
DATE ANALYSED: 05-18-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .8 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-18-81

1200801

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-102

FACILITY: T.W., ATOKA #1 CEMENT PIT

SAMPLED BY: GARRATT
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-02-81
TIME OF SAMPLE: 2:15 P.M.
DATE ANALYSED: 05-28-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 2 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-28-81

1200802

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-107

FACILITY: T.W., BITTERLAKES DRIP TANK

SAMPLED BY: GARRATT
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-21-81
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYSED: 06-01-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-01-81

1200803

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-224

FACILITY: T.W., STA. 1, SELIGMAN, AZ - PIG TRAP

SAMPLED BY: SHELTON
SAMPLE TYPE: PIPELINE WASTE
ANALYSIS BY: HS

DATE SAMPLED: 06-18-81
TIME OF SAMPLE: NA
DATE ANALYSED: 07-02-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.05 MICROLITERS

TOTAL PCB IN SAMPLE: 183 PPM

W

REMARKS: T.W. SAMPLE #557-2.

PREPARED BY: SEELEY
DATE: 07-02-81

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JUL 07 1981

1200804

ATTACHMENT 4.3

Pipeline Condensate Samples

Contaminated Mainline in New Mexico

1981 through 1984

1200805

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-113

FACILITY: T.W., LAGUNA, NM - STA. #6

SAMPLED BY: NUNN
SAMPLE TYPE: WASTE PIT LIQUID
ANALYSIS BY: HS

DATE SAMPLED: 05-30-81
TIME OF SAMPLE: 9:00 A.M.
DATE ANALYSED: 06-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 36 PPM

REMARKS: SAMPLED AT SCRUBBER PIT.

PREPARED BY: SEELEY
DATE: 06-04-81

1200806

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MEASUREMENT DEPT.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-122

FACILITY: T.W. - STATION 8

SAMPLED BY: RUSSELL
SAMPLE TYPE: PIT FLUID
ANALYSIS BY: HS

DATE SAMPLED: 06-01-81
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYSED: 06-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 740 PPM

REMARKS: SAMPLED AT WASTE PIT.

PREPARED BY: SEELEY
DATE: 06-04-81

1200807

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-130

FACILITY: T.W., MOUNTAINAIR, NM - SCRUBBER PIT, TOP

SAMPLED BY: PAVEY
SAMPLE TYPE: WASTE CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 107 PPM

REMARKS: NONE

PREPARED BY: SEELEY W
DATE: 06-15-81

1200808

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-131

FACILITY: T.W., MOUNTAINAIR, NM - SCRUBBER PIT, MIDDLE

SAMPLED BY: PAVEY
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 109 PPM

REMARKS: NONE

PREPARED BY: SEELEY W
DATE: 06-15-81

1200809

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MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-132

FACILITY: T.W., MOUNTAINAIR, NM - SCRUBBER PIT, BOTTOM

SAMPLED BY: PAVEY
SAMPLE TYPE: WASTE CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:35 P.M.
DATE ANALYSED: 06-16-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 94 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-16-81

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1200810

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-133

STA #5

FACILITY: T.W., THOREAU, NM - TOP OF WASTE OIL PIT

SAMPLED BY: DILS
SAMPLE TYPE: WASTE OIL & SLUDGE
ANALYSIS BY: HS

DATE SAMPLED: 06-07-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-10-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 5 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-10-81

1200811

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-134

FACILITY: T.W., THOREAU, NM - WASTE OIL PIT, MIDDLE

SAMPLED BY: DILS
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-07-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-11-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 4 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-11-81

1200812

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-135

FACILITY: T.W., THOREAU, NM - WASTE OIL PIT, BOTTOM

SAMPLED BY: DILS
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-07-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-11-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 5 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-11-81

1200813

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-136

FACILITY: T.W., STATION 8 - OPEN DIRT PIT, TOP

SAMPLED BY: RUSSELL
SAMPLE TYPE: WASTE OIL & CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-02-81
TIME OF SAMPLE: 4:00 P.M.
DATE ANALYSED: 06-10-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 651 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-10-81

1200814

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-137

FACILITY: T.W., STATION 8 - OPEN DIRT PIT, MIDDLE

SAMPLED BY: RUSSELL
DATE SAMPLED: 06-02-81
SAMPLE TYPE: WASTE OIL & CONDENSATE
TIME OF SAMPLE: 4:15 P.M.
ANALYSIS BY: HS
DATE ANALYSED: 06-10-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 749 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-10-81

1200815

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-138

FACILITY: T.W., STATION 8 - OPEN DIRT PIT, BOTTOM

SAMPLED BY: RUSSELL
SAMPLE TYPE: WASTE OIL & CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-02-81
TIME OF SAMPLE: 4:30 P.M.
DATE ANALYSED: 06-10-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 638 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-10-81

1200816

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-139

FACILITY: T.W., LAGUNA, NM - SCRUBBER PIT, TOP

SAMPLED BY: STONE
SAMPLE TYPE: PIPELINE WASTE
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:00 P.M.
DATE ANALYSED: 06-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.025 MICROLITERS

TOTAL PCB IN SAMPLE: 40 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-12-81

1200817

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-140

FACILITY: T.W., LAGUNA, NM - SCRUBBER PIT, MIDDLE

SAMPLED BY: STONE
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:00 P.M.
DATE ANALYSED: 06-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 41 PPM

REMARKS: FLASH POINT - 215 DEG. F

W

PREPARED BY: SEELEY
DATE: 06-12-81

1200818

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-141

FACILITY: T.W., LAGUNA, NM - SCRUBBER PIT, BOTTOM

SAMPLED BY: STONE
SAMPLE TYPE: WASTE CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:00 P.M.
DATE ANALYSED: 06-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 43 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-12-81

1200819

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-142

FACILITY: T.W., THOREAU, NM - SCRUBBER PIT, TOP

SAMPLED BY: DILS
SAMPLE TYPE: WASTE OIL & CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-07-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-11-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9375 MICROLITERS

TOTAL PCB IN SAMPLE: 327 PPM

REMARKS: Flash Point 173°F

PREPARED BY: SEELEY
DATE: 06-11-81

1200820

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-143

FACILITY: T.W., THOREAU, NM - SCRUBBER PIT, MIDDLE

SAMPLED BY: DILS
SAMPLE TYPE: WASTE OIL & CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-07-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-11-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 326 PPM

REMARKS: Flash Point 165°F

PREPARED BY: SEELEY
DATE: 06-11-81

1200821

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-144

FACILITY: T.W., THOREAU, NM - SCRUBBER PIT, BOTTOM

SAMPLED BY: DILS
SAMPLE TYPE: WASTE OIL & CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-07-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYSED: 06-11-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 297 PPM

REMARKS: Flash Point 170°F

PREPARED BY: SEELEY
DATE: 06-11-81

1200822

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-145

FACILITY: T.W., MOUNTAINAIR, NM - WASTE OIL PIT, TOP

SAMPLED BY: PAVEY
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:45 P.M.
DATE ANALYSED: 06-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 22 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-15-81

1200823

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-146

FACILITY: T.W., MOUNTAINAIR, NM - WASTE OIL PIT, MIDDLE

SAMPLED BY: PAVEY
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:45 P.M.
DATE ANALYSED: 06-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 23 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-15-81

1200824

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-147

FACILITY: T.W., MOUNTAINAIR, NM - WASTE OIL PIT, BOTTOM

SAMPLED BY: PAVEY
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-04-81
TIME OF SAMPLE: 1:50 P.M.
DATE ANALYSED: 06-15-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 15 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-15-81

1200825

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-161

FACILITY: T.W., STA. 6 TO STA. 5 PIG RUN

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: NA
TIME OF SAMPLE: 2:30 P.M.
DATE ANALYSED: 06-18-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 49 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-18-81

1200826

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JUN 25 1981
MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-193

FACILITY: T.W., STA. 6, LAGUNA, NM - PIGGING RECEIVER

SAMPLED BY: TORRES
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 06-17-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 06-25-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 149 PPM

REMARKS: 75 GALLONS AT 675 POUNDS.

PREPARED BY: SEELEY
DATE: 06-25-81

1200827

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81D-014

SAMPLE LOCATION: STATION 7-MOUNTAINAIR, NEW MEXICO
SAMPLED BY: MIKE PAVEY ANALYSED BY: D.E. DODDS
DATE SAMPLED: 05-10-81 DATE ANALYSED: 06-03-81

HEAT OF COMBUSTION:	828 BTU/POUND
FLASH POINT:	145 F
% SLUDGE:	18
% WATER:	78
SPECIFIC GRAVITY:	.8498
VAPOR PRESSURE (100F):	0.00 PSIA
VISCOSITY (SSU AT 100 F):	3743.99
PCB CONTENT:	88 PPM

REMARKS: SAMPLE POINT-WASTE OIL PIT

PREPARED BY: TIM SIEVERT
DATE: 06-03-81

W

1200826

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81D-015

SAMPLE LOCATION: STATION 7 - MOUNTAINAIR, NM
SAMPLED BY: PAVEY ANALYSED BY: DODDS
DATE SAMPLED: 05-10-81 DATE ANALYSED: 06-04-81

HEAT OF COMBUSTION: ND BTU/POUND
FLASH POINT: 187 F
% SLUDGE:
% WATER:
SPECIFIC GRAVITY:
VAPOR PRESSURE (100F):
VISCOSITY (SSU AT 100 F):

PCB CONTENT: 88 PPM

REMARKS: SAMPLED AT BOTTOM OF SCRUBBER PIT.

PREPARED BY: SEELEY
DATE: 06-05-81

W

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1200829

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81D-017

SAMPLE LOCATION: TRANSWESTERN STATION 5 THOREAU NEW MEXICO
SAMPLED BY: W F DILS ANALYSED BY: DODDS
DATE SAMPLED: 06-07-81 DATE ANALYSED: 06-09-81

HEAT OF COMBUSTION:	N.D.
FLASH POINT:	215 F
% SLUDGE:	100
% WATER:	0
SPECIFIC GRAVITY:	.9340
VAPOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	N.D.
PCB CONTENT:	4 PPM

REMARKS: MIDDLE OF WASTE OIL

PREPARED BY: DODDS
DATE: 06-11-81

1200830

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81D-018

SAMPLE LOCATION: TRANSWESTERN STATION 5 - THOREAU, NEW MEXICO
SAMPLED BY: W. F. DILS ANALYSED BY: DODDS
DATE SAMPLED: 06-07-81 DATE ANALYSED: 06-10-81

HEAT OF COMBUSTION:	N.D.
FLASH POINT:	165F
% SLUDGE:	98
% WATER:	2
SPECIFIC GRAVITY:	.8550
VAPOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	51.45
PCB CONTENT:	326 PPM

REMARKS: MIDDLE OF SCRUBBER PIT

PREPARED BY: DODDS
DATE: 06-11-81

1200831

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81D-019

SAMPLE LOCATION: TRANSWESTERN STATION 6 LAGUNA, NEW MEXICO
SAMPLED BY: S STONE ANALYSED BY: DODDS
DATE SAMPLED: 06-04-81 DATE ANALYSED: 06-10-81

HEAT OF COMBUSTION:	N.D.
FLASH POINT:	215F
% SLUDGE:	70
% WATER:	30
SPECIFIC GRAVITY:	.9861
VAPOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	1349.74
PCB CONTENT:	41 PPM

REMARKS: SCRUBBER PIT MIDDLE

PREPARED BY: DODDS
DATE: 06-12-81

1200832

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-049

FACILITY: T.W., THOREAU, NM - STA. 5

SAMPLED BY: ALLEN
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 05-01-81
TIME OF SAMPLE: 11:00 A.M.
DATE ANALYSED: 05-18-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.1 MICROLITERS

TOTAL PCB IN SAMPLE: 3 PPM

REMARKS: SAMPLED AT WASTE OIL PIT.

PREPARED BY: SEELEY
DATE: 05-18-81

1200833

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-056

FACILITY: T.W., STA. 8 - CAPITAN, NM

SAMPLED BY: RUSSELL
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 04-30-81
TIME OF SAMPLE: 10:30 A.M.
DATE ANALYSED: 05-12-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9875 MICROLITERS

TOTAL PCB IN SAMPLE: 981 PPM

REMARKS: SAMPLED AT WASTE PIT.

PREPARED BY: SEELEY
DATE: 05-12-81

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1200834

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-088

FACILITY: T.W., STA. 7, MOUNTAINAIR, NM

SAMPLED BY: PAVEY
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-10-81
TIME OF SAMPLE: 3:00 P.M.
DATE ANALYSED: 05-26-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 108 PPM

REMARKS: SAMPLED AT SCRUBBER PIT.

PREPARED BY: SEELEY
DATE: 05-26-81

1200835

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-089

FACILITY: T.W., MOUNTAINAIR, NM - STA. 7

SAMPLED BY: PAVEY
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-10-81
TIME OF SAMPLE: 3:00
DATE ANALYSED: 05-27-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.0125 MICROLITERS

TOTAL PCB IN SAMPLE: 88 PPM

REMARKS: SAMPLED OFF TOP OF SCRUBBER PIT.

PREPARED BY: SEELEY
DATE: 05-27-81

1200836

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-091

FACILITY: T.W., STA. 1, SELIGMAN, AZ

SAMPLED BY: MCLAUGHLIN
SAMPLE TYPE: CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED: 05-13-81
TIME OF SAMPLE: 11:30 A.M.
DATE ANALYSED: 05-26-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9875 MICROLITERS

TOTAL PCB IN SAMPLE: 214 PPM

REMARKS: SAMPLED AT CONDENSATE STORAGE TANK.

PREPARED BY: SEELEY
DATE: 05-26-81

1200837

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-195

FACILITY: T.W., BELEN, NM - RIO GRANDE CROSSING, PIGGING

SAMPLED BY: TORRES
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 06-16-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYSED: 06-28-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 12 PPM

REMARKS: FOR PIGGING - 125 GALS. AT 820 LBS

PREPARED BY: SEELEY
DATE: 06-28-81

1200838

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-196

FACILITY: T.W., THOREAU, NM - STA. 5 RECEIVER, PIGGING

SAMPLED BY: TORRES
DATE SAMPLED: 06-18-81
SAMPLE TYPE: PIPELINE FLUID
TIME OF SAMPLE: NA
ANALYSIS BY: HS
DATE ANALYSED: 06-28-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.025 MICROLITERS

TOTAL PCB IN SAMPLE: 178 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-28-81

1200839

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-198

FACILITY: T.W., MTNAIR, NM - PIG TRAP - SAMPLE #6

SAMPLED BY: AUTREY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 06-12-81
TIME OF SAMPLE: 2:35 P.M.
DATE ANALYZED: 07-21-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .8 MICROLITERS

TOTAL PCB IN SAMPLE: 13 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-21-81

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JUL 22 1981

1200840

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-202

FACILITY: MINAIR, NM SCRUBBER PIT - OFF TOP

SAMPLED BY: CASTER
SAMPLE TYPE: PIPELINE WASTE
ANALYSIS BY: HS

DATE SAMPLED: 06-07-81
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYSED: 06-29-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 925 MICROLITERS

TOTAL PCB IN SAMPLE: 59 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-30-81

1200841

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-211

FACILITY: STA. 6, LAGUNA, NM - PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE WASTE
ANALYSIS BY: HS

DATE SAMPLED: 06-23-81
TIME OF SAMPLE: 7:00 P.M.
DATE ANALYSED: 06-30-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 217 PPM

REMARKS: 50 GALS LIQUID RECEIVED W/ PIG.

PREPARED BY: SEELEY
DATE: 06-30-81

1200342

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-217

FACILITY: STA. 7, MTNAIR, NM - DRIP OIL FROM TRAP

SAMPLED BY: AUTREY
SAMPLE TYPE: DRIP OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-22-81
TIME OF SAMPLE: 2:30 P.M.
DATE ANALYSED: 06-30-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 9 MICROLITERS

TOTAL PCB IN SAMPLE: 14 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-30-81

1200843

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-251

FACILITY: T W., STA. 8 TURBINE OPERATING TANK

SAMPLED BY: HEFNER
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-30-81
TIME OF SAMPLE: 3:30 P.M.
DATE ANALYSED: 07-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 10 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-07-81

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1200844

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-252

FACILITY: T.W. STA. 8 TURBINE MAKE UP TANK

SAMPLED BY: RUSSELL
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-30-81
TIME OF SAMPLE: 3:30 P.M.
DATE ANALYSED: 07-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 85 MICROLITERS

TOTAL PCB IN SAMPLE: 5 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-08-81

1200845

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-254

FACILITY: T.W., MTNAIR, NM - #702 COMP SEAL

SAMPLED BY: PAVEY
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-01-81
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYSED: 07-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 11 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-08-81

1200846

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-255

FACILITY: T W , MINAIR, NM - #703 COMP SEAL

SAMPLED BY: PAVEY
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-01-81
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYSED: 07-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .85 MICROLITERS

TOTAL PCB IN SAMPLE: 2 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-08-81

1200847

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81F-253

FACILITY: T.W., MTNAIR, NM - #701 COMP. SEAL

SAMPLED BY: PAVEY
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-01-81
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYSED: 07-11-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 3 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-11-81

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1200848

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-256

FACILITY: T.W., STA. 5 THOREAU, NM - SEAL OIL #503

SAMPLED BY: NA
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-01-81
TIME OF SAMPLE: NA
DATE ANALYSED: 07-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .85 MICROLITERS

TOTAL PCB IN SAMPLE: 3 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-08-81

1200849

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-258

FACILITY: T.W., STA. 5 THOREAU, NM - SEAL OIL #502

SAMPLED BY: NA
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-01-81
TIME OF SAMPLE: NA
DATE ANALYSED: 07-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .8 MICROLITERS

TOTAL PCB IN SAMPLE: 11 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-08-81

1200850

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-259

FACILITY: T.W., STA. 5 THOREAU, NM - SEAL OIL #501

SAMPLED BY: NA
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-01-81
TIME OF SAMPLE: NA
DATE ANALYSED: 07-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .85 MICROLITERS

TOTAL PCB IN SAMPLE: 17 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-08-81

1200851

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-340

FACILITY: T.W., MTNAIR, NM - SCRUBBER PIT

SAMPLED BY: PAVEY
SAMPLE TYPE: SCRUBBER WASTE
ANALYSIS BY: HS

DATE SAMPLED: 06-29-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYZED: 07-21-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 32 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-21-81

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1200852

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-354

FACILITY: T.W., STA. 6 PIG RECEIVER - LAGUNA, NM

SAMPLED BY: TORRES
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-09-81
TIME OF SAMPLE: 1:30 P.M.
DATE ANALYZED: 07-21-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 434 PPM

REMARKS: RUN AT 700 LBS. W/ 50 GALS. LIQUID.

PREPARED BY: SEELEY
DATE: 07-21-81

RECEIVED
PIPELINE OPERATIONS
JUL 22 1981

1200853

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-355

FACILITY: STA. 5 PIG RECEIVER - THOREAU, NM

SAMPLED BY: HENDRICKS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-10-81
TIME OF SAMPLE: 3:15 P.M.
DATE ANALYZED: 07-21-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 384 PPM

REMARKS: RUN AT 718 LBS. W/ 60 GALS.

PREPARED BY: SEELEY
DATE: 07-21-81

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PIPELINE OPERATIONS
JUL 22 1981

1200854

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-356

FACILITY: BELEN, NM - PIGGING RIO GRANDE CROSSING

SAMPLED BY: TORRES
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-08-81
TIME OF SAMPLE: 12:45 P.M.
DATE ANALYZED: 07-21-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 31 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-21-81

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JUL 22 1981

1200855

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-368

TW STA #6

FACILITY: T.W., LAGUNA, NM PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-15-81
TIME OF SAMPLE: 8:00 P.M.
DATE ANALYZED: 07-23-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 757 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-23-81

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JUL 24 1981

1200856

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-383

FACILITY: T.W., MTNAIR, NM - PIG TRAP

SAMPLED BY: CASTER
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-10-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYZED: 07-25-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 364 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-25-81

RECEIVED
PIPELINE OPERATIONS
JUL 27 1981

1200857

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-488

FACILITY: STA. 6, LAGUNA, NM - PIG TRAP

SAMPLED BY: STONE
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 08-06-81
TIME OF SAMPLE: 8:00
DATE ANALYZED: 08-13-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 1177 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 08-14-81

RECEIVED
PIPELINE OPERATIONS
AUG 17 1981

1200858

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-585

FACILITY: T.W., LAGUNA, NM - PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 08-14-81
TIME OF SAMPLE: 6:30 P.M.
DATE ANALYZED: 08-29-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 271 PPM

REMARKS: PIG RUN FROM RIO GRANDE TO STA. 6

PREPARED BY: SEELEY
DATE: 08-29-81

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SEP 2 1981
T. A. HERON

1200859

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-633

FACILITY: T.W., RIO GRANDE CROSSING TO STA. 6 PIG RUN

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 08-20-81
TIME OF SAMPLE: 2:20 P.M.
DATE ANALYZED: 09-03-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 996 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-04-81

1200860

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-636

FACILITY: T.W., STA. 6, LAGUNA, NM - PIG RECEIVER

SAMPLED BY: MURPHY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 08-20-81
TIME OF SAMPLE: 2:20 P.M.
DATE ANALYZED: 09-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 1488 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-04-81

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T.A. ...

1200861

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-637

FACILITY: T.W., STA. 7 TO RIO GRANDE CROSSING PIG RUN

SAMPLED BY: MURPHY
SAMPLE TYPE: PIPELINE
ANALYSIS BY: HS

DATE SAMPLED: 08-20-81
TIME OF SAMPLE: NA
DATE ANALYZED: 09-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 27 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-04-81

1200862

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-638

FACILITY: T.W., STA. 6 TO STA. 5 PIG RUN

SAMPLED BY: MURPHY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 08-21-81
TIME OF SAMPLE: NA
DATE ANALYZED: 09-09-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 888 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-09-81

1200863

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-666

FACILITY: T.W., STA. 8 - TURBINE CRANKCASE

SAMPLED BY: ROBERTSON
SAMPLE TYPE: OIL
ANALYSIS BY: HS

DATE SAMPLED: 08-20-81
TIME OF SAMPLE: 2:00 P.M.
DATE ANALYZED: 09-07-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 10 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-07-81

RECEIVED
SEP 8 1981
T.A.

1200864

J. C. Williams
C.S.H.
TAH

RECEIVED
SEP 15 1981
MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-671

FACILITY: T.W., STA. 7 - DRIP TANK

SAMPLED BY: AUTREY
SAMPLE TYPE: DRIP TANK FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-20-81
TIME OF SAMPLE: 2:45 P.M.
DATE ANALYZED: 09-09-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .85 MICROLITERS

TOTAL PCB IN SAMPLE: 53 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-09-81

RECEIVED
SEP 15 1981
T. A. HERON

1200865

Mr. Williams

RECEIVED
SEP 11 1981
MEASUREMENT DEPT.

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-684

FACILITY: T.W., LAGUNA, NM PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 09-02-81
TIME OF SAMPLE: 2:45 P.M.
DATE ANALYZED: 09-10-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 723 PPM

RECEIVED
SEP 1 1 1981
T.A. HELTON

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 09-10-81

RECEIVED
SEP 1 1 1981
T.A. HELTON

1200366

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P740

T.W.
FACILITY: STATION 5 PIG TRAP

SAMPLED BY: HENDRICKS
SAMPLE TYPE: PIPELINE CONDENSATE
ANALYSIS BY: MFM

DATE SAMPLED: 09-03-81
TIME OF SAMPLE: 9:00AM
DATE ANALYZED: 09-25-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 696 PPM

REMARKS: NONE

PREPARED BY: MARK MAXWELL
DATE: 09-28-81

SEP 3 1200867

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P746

FACILITY: TRANSWESTERN RIO GRANDE CROSSING

SAMPLED BY: MURPHY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: MFM

DATE SAMPLED: 08-25-81
TIME OF SAMPLE: 4:45PM
DATE ANALYZED: 09-25-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 29 PPM

REMARKS: NONE

PREPARED BY: MARK MAXWELL
DATE: 09-28-81

RECEIVED
SEP 30 1981

1200868

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P748

FACILITY: T.W. STATION 6 LAGUNA NM

SAMPLED BY: MURPHY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: MFM

DATE SAMPLED: 08-26-81
TIME OF SAMPLE: 2:20PM
DATE ANALYZED: 09-25-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 997 PPM

REMARKS: NONE

PREPARED BY: MARK MAXWELL
DATE: 09-28-81

RECEIVED
SEP 30 1981
T.A. [illegible]

1200869

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-855

FACILITY: T.W., RIO GRANDE TO STA. 6 PIG

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 10-13-81
TIME OF SAMPLE: 2:40 P.M.
DATE ANALYZED: 10-22-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 382 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 10-22-81

RECEIVED
OCT 23 1981
T. A. HERON

1200870

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-956

FACILITY: T.W., STA. 8 - PIT 'B', TOP

SAMPLED BY: HEFFNER
SAMPLE TYPE: WASTE OIL FLUID
ANALYSIS BY: HS

DATE SAMPLED: 10-21-81
TIME OF SAMPLE: 1:00 P.M.
DATE ANALYZED: 11-23-81

CONCENTRATION OF STANDARD: 4.035 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .98333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 1607 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 11-24-81

1200871

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-957

FACILITY: T.W., STA. 8 - PIT 'A', TOP

SAMPLED BY: HEFFNER
SAMPLE TYPE: WASTE OIL FLUID
ANALYSIS BY: HS

DATE SAMPLED: 10-21-81
TIME OF SAMPLE: 1:00 P.M.
DATE ANALYZED: 11-23-81

CONCENTRATION OF STANDARD: 4.035 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .98333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 2165 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 11-24-81

1200872

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-958

FACILITY: T.W., STA. 7 SCRUBBER PIT

SAMPLED BY: AUTREY
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 10-15-81
TIME OF SAMPLE: 9:00 A.M.
DATE ANALYZED: 11-23-81

CONCENTRATION OF STANDARD: 4.035 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .98333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 31 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 11-24-81

1200873

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-970

Sto 7

FACILITY: T.W., MOUNTAINAIR OPEN PIT

SAMPLED BY: GONZALES
SAMPLE TYPE: PIT WASTE
ANALYSIS BY: HS

DATE SAMPLED: 11-17-81
TIME OF SAMPLE: 3:00 P.M.
DATE ANALYZED: 12-03-81

CONCENTRATION OF STANDARD: 4.035 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .98333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 34 PPM

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T. A. HERON

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 12-03-81

1200874

Mr. Williams

RECEIVED
MEASUREMENT
DEPARTMENT
DEC 4 1981

DAI

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-973

FACILITY: T.W., STA. 6 PIG TRAP

SAMPLED BY: STONE
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 11-12-81
TIME OF SAMPLE: 7:45 A.M.
DATE ANALYZED: 12-03-81

CONCENTRATION OF STANDARD: 4.035 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .98333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 275 PPM

RECEIVED
DEC 7 1981
T. A. HERON

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 12-03-81

1200875

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MEASUREMENT
DEPARTMENT
DEC 7 1981

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-979

FACILITY: T.W., STA. 8 - BOTTOM OF 510 BBL. TANK

SAMPLED BY: HEFFNER
SAMPLE TYPE: OILY SLUDGE
ANALYSIS BY: HS

DATE SAMPLED: 10-21-81
TIME OF SAMPLE: 1:00 P.M.
DATE ANALYZED: 12-04-81

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 289 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 12-04-81

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DEC 7 1981
T. A. HERON

1200876

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MEASUREMENT
DEPARTMENT
JAN 6 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
81P-1063

FACILITY: T.W., STA. 7 - PIT

SAMPLED BY: FERRER
SAMPLE TYPE: WASTE LIQUID
ANALYSIS BY: HS

DATE SAMPLED: 12-21-81
TIME OF SAMPLE: 10:15 A.M.
DATE ANALYZED: 01-05-82

CONCENTRATION OF STANDARD: 4.035 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.025 MICROLITERS
VOLUME OF SAMPLE INJECTED: 95 MICROLITERS

TOTAL PCB IN SAMPLE: 21 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 01-05-82

RECEIVED
JAN 7 1982
J. A. HERON

1200377

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-083

STA. 6

FACILITY: T.W., LAGUNA N.M. SCRUBBER PIT

SAMPLED BY: NUNN
SAMPLE TYPE: WASTE SCRUBBER FLUID
ANALYSIS BY: HS

DATE SAMPLED: 02-16-82
TIME OF SAMPLE: 3:30 P.M.
DATE ANALYZED: 02-25-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .966667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 33 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 02-26-82

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MAR 1 1982
T. A. HERON

1200878

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-084

FACILITY: T.W. THOREAU, N.M. BLOWDOWN PIT

SAMPLED BY: DILS
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 02-17-82
TIME OF SAMPLE: 11:00 A.M.
DATE ANALYZED: 02-25-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .966667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 925 MICROLITERS

TOTAL PCB IN SAMPLE: 142 PPM

REMARKS: THIS SAMPLE IS PART OF EPA MONITORING PROGRAM.

PREPARED BY: SEELEY
DATE: 02-26-82

RECEIVED
MAR 1 1982
T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-085

FACILITY: T.W., STA. 7 - MTNAIR PIT

SAMPLED BY: AUTREY
SAMPLE TYPE: OIL/WATER/FLUID
ANALYSIS BY: HS

DATE SAMPLED: 02-19-82
TIME OF SAMPLE: 10:00 A.M.
DATE ANALYZED: 02-25-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .99167 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 12 PPM

REMARKS: THIS SAMPLE IS PART OF EPA MONITORING PROGRAM.

PREPARED BY: SEELEY
DATE: 02-26-82

RECEIVED
MAR 1 1982
T. A. HERON

1200880

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-124

FACILITY: T.W., STA. 4, KLAGETOH - SCRUBBER PIT

SAMPLED BY: BEGAY
SAMPLE TYPE: WATER
ANALYSIS BY: HS

DATE SAMPLED: 02-17-82
TIME OF SAMPLE: 9:35 A.M.
DATE ANALYZED: 03-03-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .966667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 03-03-82

RECEIVED
MAR 8 1982
T. A. HERON

1200881

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-205

STA. 8?

FACILITY: T.W., CAPITAN, NM - UNIT #T-810 OPERATING TANK

SAMPLED BY: NA
SAMPLE TYPE: LUBE OIL
ANALYSIS BY: HS

DATE SAMPLED: 02-24-82
TIME OF SAMPLE: NA
DATE ANALYZED: 03-18-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .983333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 4 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 03-18-82

RECEIVED
MAR 20 1982
T. A. HERON

1200882

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-206

STA. 8 ?

FACILITY: T.W., CAPITAN, NM - UNIT #T-810 MAKE-UP TANK

SAMPLED BY: NA
SAMPLE TYPE: LUBE OIL
ANALYSIS BY: HS

DATE SAMPLED: 02-24-82
TIME OF SAMPLE: NA
DATE ANALYZED: 03-18-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .983333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 03-18-82

RECEIVED
MAR 20 1982
T. A. HERON

1200883

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-307

FACILITY: T.W., STA. 5 - BLOWDOWN PIT

SAMPLED BY: DILL
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 03-01-82
TIME OF SAMPLE: 2:00 PM
DATE ANALYZED: 04-26-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .96667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 181 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 04-27-82

RECEIVED
APR 28 1982
T. A. HERON

1200884

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-309

FACILITY: T.W., LAGUNA - SCRUBBER PIT

SAMPLED BY: NUNN
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-01-82
TIME OF SAMPLE: 2:30 PM
DATE ANALYZED: 05-14-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 38 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-14-82

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MAY 17 1982
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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-310

FACILITY: T.W., STA. 7 - MOUNTAINAIR, NM

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-01-82
TIME OF SAMPLE: NA
DATE ANALYZED: 05-03-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 29 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-03-82

RECEIVED
MAY 10 1982
T. A. HERON

120088

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-313

FACILITY: T.W., STA. 8 - PIT B

SAMPLED BY: HEFNER
SAMPLE TYPE: OILY SLUDGE
ANALYSIS BY: HS

DATE SAMPLED: 04-08-82
TIME OF SAMPLE: 8:30 AM
DATE ANALYZED: 05-03-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 664 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-03-82

RECEIVED
MAY 10 1982
T. A. HERON

1200887

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-314

FACILITY: T.W., STA. 8 - 510 BBL TANK

SAMPLED BY: HEFNER
SAMPLE TYPE: OILY SLUDGE
ANALYSIS BY: HS

DATE SAMPLED: 04-08-82
TIME OF SAMPLE: 8:30 AM
DATE ANALYZED: 05-03-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 491 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-03-82

RECEIVED
MAY 10 1982
T. A. HERON

1200888

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MEASUREMENT
DEPARTMENT
MAY 4 1982

CEH
T. C. [illegible]

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-315

FACILITY: T.W., STA. 8 - PIT A

SAMPLED BY: HEFNER
SAMPLE TYPE: OILY SLUDGE
ANALYSIS BY: HS

DATE SAMPLED: 04-08-82
TIME OF SAMPLE: 8:30 AM
DATE ANALYZED: 05-03

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 411 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 05-03-82

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MAY 10 1982
T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-363

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: JOLLY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 05-12-82
TIME OF SAMPLE: 1:00 PM
DATE ANALYZED: 06-02-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 44 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-02-82

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1200890

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-368

FACILITY: T.W., STA. 7 - SCRUBBER PIT

SAMPLED BY: AUTREY
SAMPLE TYPE: SCRUBBER FLUID
ANALYSIS BY: HS

DATE SAMPLED: 05-21-82
TIME OF SAMPLE: 11:30 AM
DATE ANALYZED: 06-07-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 38 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-07-82

RECEIVED
JUN 8 1982
T. A. HERON

1200891

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-382

FACILITY: T.W., STA.7 TO RIO GRANDE - PIG

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-28-82
TIME OF SAMPLE: NA
DATE ANALYZED: 06-24-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 23 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-24-82

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T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-383

FACILITY: T.W., STA. 7 TO RIO GRANDE RIVER - PIG

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-14-82
TIME OF SAMPLE: NA
DATE ANALYZED: 06-09-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 11 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-09-82

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JUN 10 1982

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JUN 10 1982
T. A. HERON

1200893

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-387

FACILITY: T.W., STA. 7 TO RIO GRANDE- PIG

SAMPLED BY: PADILLA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 05-26-82
TIME OF SAMPLE: NA
DATE ANALYZED: 06-24-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 52 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-24-82

RECEIVED
JUL 24 1982
T. A. HERON

1200894

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-389

FACILITY: T.W., STA. 6, LAGUNA - PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 05-26-82
TIME OF SAMPLE: 3:25 PM
DATE ANALYZED: 06-10-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 125 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-10-82

RECEIVED
JUN 11 1982
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1200895

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-411

FACILITY: T.W., STA. 8 - PIT A

SAMPLED BY: LUERAS
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 06-02-82
TIME OF SAMPLE: 3:00 PM
DATE ANALYZED: 06-23-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 1436 PPM

REMARKS: SEND RESULTS TO MIKE TERRASO.

PREPARED BY: SEELEY
DATE: 06-23-82

RECEIVED
JUN 24 1982
T. A. HERON

1200896

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MEASUREMENT
DEPARTMENT
JUN 23 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-413

FACILITY: T.W.,STA. 8 - TANK C

SAMPLED BY: LIERAS
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 06-02-82
TIME OF SAMPLE: 3:00 PM
DATE ANALYZED: 06-22-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 959 PPM

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JUN 23 1982

REMARKS: SEND RESULTS TO MIKE TERRASO.

PREPARED BY: SEELEY
DATE: 06-22-82

RECEIVED
JUN 23 1982
T. A. HERON

1200897

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-450

FACILITY: T.W., STA. 5 - WASTE OIL PIT

SAMPLED BY: JOLLY
SAMPLE TYPE: WASTE OIL
ANALYSIS BY: HS

DATE SAMPLED: 06-28-82
TIME OF SAMPLE: 10:30 AM
DATE ANALYZED: 07-06-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 158 PPM

REMARKS: NONE

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JUL 07 1982

PREPARED BY: SEELEY
DATE: 07-06-82

RECEIVED
JUL 7 1982
T. A. HERON

1200898

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-451

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: DILS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 06-08-82
TIME OF SAMPLE: 9:00 AM
DATE ANALYZED: 07-15-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 74 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-15-82

RECEIVED
JUL 16 1982
T. A. HERON

1200899

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-488

FACILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: FERRER
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 06-22-82
TIME OF SAMPLE: 8:00 AM
DATE ANALYZED: 07-23-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 195 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-23-82

RECEIVED
JUL 28 1982
T. A. HERON

1200900

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-516

FACILITY: T.W., CORONA, NM - UNIT #T-810 STORAGE TANK

SAMPLED BY: NA
SAMPLE TYPE: LUBE OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-16-82
TIME OF SAMPLE: NA
DATE ANALYZED: 07-27-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: NEW OIL

PREPARED BY: SEELEY
DATE: 07-27-82

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-516

FACILITY: T.W., CORONA, NM - UNIT #1-T-810 STORAGE TANK

SAMPLED BY: NA
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED: 07-16-82
TIME OF SAMPLE: NA
DATE ANALYZED: 07-27-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM

REMARKS: ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

PREPARED BY: SEELEY
DATE: 07-30-82

RECEIVED
AUG - 1982
T. A. HERON

1200902

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-521

FACILITY: T.W., CORONA, NM - UNIT #1-T-810 MAIN OPERATING TANK

SAMPLED BY: NA
SAMPLE TYPE: LUBE OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-16-82
TIME OF SAMPLE: NA
DATE ANALYZED: 07-27-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 14 PPM (MICROGRAMS/MILLILITER)

REMARKS: NONE

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JUL 28 1982

PREPARED BY: SEELEY
DATE: 07-27-82

RECEIVED 1200903
JUL 29 1982
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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-521

FACILITY: T.W., CORONA, NM - UNIT #1-T-810 MAIN OPERATING TANK

SAMPLED BY: NA
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED: 07-16-82
TIME OF SAMPLE: NA
DATE ANALYZED: 07-27-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .958333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 12 PPM (MILLIGRAMS/KILOGRAM)

REMARKS: ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

PREPARED BY: SEELEY
DATE: 07-30-82

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AUG 5 1982
T. A. HERS...

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-522

FACILITY: T.W., CORONA, NM - UNIT #1-T-810 OPERATING TANK

SAMPLED BY: NA
SAMPLE TYPE: LUBE OIL
ANALYSIS BY: HS

DATE SAMPLED: 07-16-82
TIME OF SAMPLE: NA
DATE ANALYZED: 07-27-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 8 PPM (MICROGRAMS/MILLILITER)

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 07-27-82

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-522

FACILITY: T.W., CORONA, NM - UNIT #1-T-810 OPERATING TANK

SAMPLED BY: NA
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED: 07-16-82
TIME OF SAMPLE: NA
DATE ANALYZED: 07-27-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .958333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 7 PPM (MILLIGRAMS/KILOGRAM)

REMARKS: ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

PREPARED BY: SEELEY
DATE: 07-30-82

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AUG 5 1982
T. A. HERSH

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-556

FACILITY: T.W., STA. 6, LAGUNA - PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-23-82
TIME OF SAMPLE: 7:45 AM
DATE ANALYZED: 08-11-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 569 PPM (MICROGRAMS/MILLILITER)

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 08-11-82

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1200307

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-557

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: HENDRICKS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-20-82
TIME OF SAMPLE: 9:00 AM
DATE ANALYZED: 08-11-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 174 PPM (MICROGRAMS/MILLILITER)

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 08-11-82

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AUG 12 1982
T. A. HERON

1200908

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-576

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: DILS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 08-05-82
TIME OF SAMPLE: 8:00 AM
DATE ANALYZED: 08-25-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 230 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 08-25-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-578

FACILITY: T.W., STA. 7 - SCRUBBER PIT

SAMPLED BY: FERRER
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-27-82
TIME OF SAMPLE: 10:00 AM
DATE ANALYZED: 08-25-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 52 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 08-25-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-582

FACILITY: T.W., STA. 7 TO BELEN - PIG RUN

SAMPLED BY: JAMES
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 07-22-82
TIME OF SAMPLE: NA
DATE ANALYZED: 08-25-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 17 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 08-25-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-596

FACILITY: T.W., STA. 7 TO BELEN, NM.

SAMPLED BY: MURPHY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 08-05-82
TIME OF SAMPLE: 1:30 PM
DATE ANALYZED: 10-07-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9666667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 35 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 10-07-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
OCT 8 1982
T. A. HERON

1200912

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-675

FACILITY: T.W., STA. 5 - CATCH TANK AT PIG TRAP

SAMPLED BY: ALLEN
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED:09-28-82
TIME OF SAMPLE:10:00 AM
DATE ANALYZED:10-11-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 55 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:10-11-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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OCT 1 : 1982
T. A. HERON

1200913

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-676

FACILITY: T.W., STA. 7 - SCRUBBER PIT

SAMPLED BY: NA
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED:09-28-82
TIME OF SAMPLE:NA
DATE ANALYZED:10-12-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9625 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 22 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:10-13-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
OCT 14 1982
T. A. HERON

1200914

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82F-680

FACILITY: T.W., RIO GRANDE TO STA. 6 - PIG RUN

SAMPLED BY: NUNN
DATE SAMPLED:09-15-82
SAMPLE TYPE: PIPELINE FLUID
TIME OF SAMPLE:12:45 PM
ANALYSIS BY: HS
DATE ANALYZED:10-20-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: 52 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:10-20-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-686

FACILITY: T.W., STA. 8 - PIT 1 WATER FROM PIT D.

SAMPLED BY: HEFNER
SAMPLE TYPE: WATER
ANALYSIS BY: HS

DATE SAMPLED:09-28-82
TIME OF SAMPLE:8:30 AM
DATE ANALYZED:10-11-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:10-11-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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OCT 15 1982
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MEASUREMENT
DEPARTMENT
OCT 12 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
PIPELINE OPERATIONS
OCT 12 1982

ANALYSIS NUMBER
82P-687

FACILITY: T.W., STA. 8 - PIT 2 WATER DRAINED FROM PIT D.

SAMPLED BY: HEFNER
SAMPLE TYPE: WATER
ANALYSIS BY: HS

DATE SAMPLED:09-28-82
TIME OF SAMPLE:8:30 AM
DATE ANALYZED:10-11-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:10-11-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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OCT 13 1982
T. A. HERON

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MEASUREMENT
DEPARTMENT
NOV 22 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-733

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: ALLEN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:10-21-82
TIME OF SAMPLE:2:00 PM
DATE ANALYZED:11-19-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 95 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:11-19-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-769

ACILITY: T.W., STA. 8 - PIT A, TOP PHASE

AMPLED BY: SHADOWENS
AMPLE TYPE: MUCK
NALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:11-17-82

ONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: 511 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:11-18-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

NOV 29 1982
T. A. HERON

1200919

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-782

FACILITY: T.W., STA. 8, PIT A - BOTTOM LAYER

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SLUDGE GRANULES
ANALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:11-19-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 369 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:11-19-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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NOV 22 1982

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NOV 23 1982
T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-781

FACILITY: T.W., STA. 8, PIT A - WATER PHASE

SAMPLED BY: SHADOWENS
SAMPLE TYPE: WATER
ANALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:11-19-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:11-19-82

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
PIPELINE OPERATIONS
NOV 22 1982

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NOV 23 1982
T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-796

FACILITY: T.W., STA. 6 - PIG TRAP

SAMPLED BY: STONE
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:11-03-82
TIME OF SAMPLE:1:00 PM
DATE ANALYZED:12-01-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 80 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-02-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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DEC 3 1982
T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-812

ACILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: FERRER
AMPLE TYPE: PIPELINE FLUID
NALYSID BY: HS

DATE SAMPLED:11-01-82
TIME OF SAMPLE:3:00 PM
DATE ANALYZED:12-31-82

ONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9916667 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 19 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-31-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE OPERATIONS
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JAN 4 1983
T. A. HERON

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-813

FACILITY: T.W., STA. 7 - SCRUBBER PIT

SAMPLED BY: GONZALES
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED:10-22-82
TIME OF SAMPLE:3:00 PM
DATE ANALYZED:12-14-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .875 MICROLITERS

TOTAL PCB IN SAMPLE: 27 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-15-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE OPERATIONS
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DEC 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-824

FACILITY: T.W., STA. 5 - PIG TRAP

AMPLED BY: JOLLY
AMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:11-04-82
TIME OF SAMPLE:2:00 PM
DATE ANALYZED:12-14-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 89 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:12-15-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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DEC 15 1982

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82F-856

FACILITY: T.W., STA. 8 - SOIL SAMPLE #1

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:11-22-82
TIME OF SAMPLE:NA
DATE ANALYZED:12-19-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 103 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:12-19-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE
DEC

1200926

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-857

FACILITY: T.W., STA. 7 - SOIL SAMPLE #2

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED: 11-22-82
TIME OF SAMPLE: NA
DATE ANALYZED: 12-19-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 4 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY: SEELEY
DATE: 12-19-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200927

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-858

FACILITY: T.W., STA. 6 - SOIL SAMPLE #3

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:11-22-82
TIME OF SAMPLE:NA
DATE ANALYZED:12-19-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 19 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:12-19-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE OPERATIONS
DEC 20 1982

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-864

FACILITY: T.W., STA. 8 - PIT C

SAMPLED BY: SHADOWENS
SAMPLE TYPE: WASTE PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:10-29-82
TIME OF SAMPLE:11:45 MST
DATE ANALYZED:12-20-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9625 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 16 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:12-22-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
PIPELINE OPERATIONS
DEC 22 1982

1200929

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-866

FACILITY: T.W., STA. 8 - TANK (PIT D)

SAMPLED BY: SHADOWENS
SAMPLE TYPE: WATER/SLUDGE
ANALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:12-14-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 291 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:12-14-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200930

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DEC 15 1982

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MEASUREMENT
DEPARTMENT
DEC 15 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-867

FACILITY: T.W., STA. 8 - PIT B

SAMPLED BY: SHADOWENS
SAMPLE TYPE: WATER/SLUDGE
ANALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:12-14-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9583333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 168 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:12-14-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200931

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DEC 15 1982

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DEC 1 1982
T. A. VERON

Mr. Williams

RECEIVED
MEASUREMENT
DEPARTMENT
DEC 22 1982

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-897

FACILITY: T.W., STA. 8 - PIT A, WATER PHASE

SAMPLED BY: SHADOWENS
SAMPLE TYPE: WATER
ANALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:12-20-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9625 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE:

LESS THAN 50 ppb (micrograms/kilogram)

REMARKS: SEND RESULTS TO C. SHADOWENS.

PREPARED BY:SEELEY
DATE:12-22-82

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE OPERATIONS
DEC 22 1982

1200932

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-908

FACILITY: T.W., STA. 6, LAGUNA - PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: LS

DATE SAMPLED:11-18-82
TIME OF SAMPLE:1:45 PM
DATE ANALYZED:01-10-83

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 116 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-10-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE OPERATIONS
JAN 1 1 1983

RECEIVED
JAN 1 1 1983
T. A. HERON

1200933

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-917

RECEIVED
MEASUREMENT
DEPARTMENT
JAN 7 1983

FACILITY: T.W., STA. 5 - 500 BBL. CATCH TANK

SAMPLED BY: JOLLY
SAMPLE TYPE: PIPELINE WASTE
ANALYSIS BY: HS

DATE SAMPLED:12-22-82
TIME OF SAMPLE:9:30 AM
DATE ANALYZED:12-30-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 482 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-31-82

*ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
PIPELINE OPERATIONS
JAN 07 1983

RECEIVED
JAN 10 1983
T. A. HERON

1200934

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
82P-342

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: HENDRICKS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 04-15-82
TIME OF SAMPLE: 2:20 PM
DATE ANALYZED: 06-01-82

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 50 PPM

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 06-02-82

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JUN 3 1982
T. A. HERON

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-016

FACILITY: T.W., STA. 7, MTNAIR. - PIG TRAP

MPLED BY: PAVEY
MPLE TYPE: PIPELINE FLUID
ALYSIS BY: HS

DATE SAMPLED:12-02-83
TIME OF SAMPLE:2:30 PM
DATE ANALYZED:02-28-83

UNCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: .9833333 MICROLITERS
LUME OF SAMPLE INJECTED: .925 MICROLITERS

OTAL PCB IN SAMPLE: 64 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:02-28-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
MAR 1 1983
T. A. HERON

1200936

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-047

FACILITY: T.W., STA. 7 TO BELEN - PIG RUN

AMPLED BY: PADILLO
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:12-16-82
TIME OF SAMPLE:11:30 AM
DATE ANALYZED:02-28-83

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 14 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:02-28-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

RECEIVED
MAR 1 1983
T. A. HERON

1200937

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-048

FACILITY: T.W., STA. 5 THOREAU - PIG TRAP

AMPLED BY: JOLLY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:12-21-82
TIME OF SAMPLE:2:30 PM
DATE ANALYZED:02-28-83

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 115 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:02-28-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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1200038

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
[illegible]

FACILITY: T.W., STA. 5, THOREAU - 500 BBL CATCH TANK

SAMPLED BY: JOLLY
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED: 02-15-83
TIME OF SAMPLE: 8:30 AM
DATE ANALYZED: 03-18-83

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 154 PPM (MILLIGRAMS/KILOGRAM)

REMARKS: NONE

PREPARED BY: SEELEY
DATE: 03-18-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMBL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE OPERATIONS
MAR 21 1983

RECEIVED
MAR 22 1983
[illegible]

1200939

MR. J. C. WILLIAMS
cc: GHW

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-323

FACILITY: T.W., STA. 7 - SCRUBBER BLOWDOWN TANK

AMPLED BY: PAVEY
SAMPLE TYPE: SCRUBBER FLUID
NALYSIS BY: HS

DATE SAMPLED:03-15-83
TIME OF SAMPLE:8:30 AM
DATE ANALYZED:04-11-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 26 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:04-11-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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PIPELINE [illegible]
APR 12 1983

RECEIVED
MEASUREMENT
DEPARTMENT
APR 12 1983

TAH

4-13-83

1200340

TRANS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-369

ICILITY: T.W., STA. 8 - PIG TRAP

MPLED BY: HEFNER
MPLE TYPE: PIPELINE FLUID
ANALYSIS BY: MS

DATE SAMPLED:03-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:03-09-83

ONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:03-09-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200941

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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JUN 27 1983
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ANALYSIS NUMBER
83P-374

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: HENDRICKS
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:04-08-83
TIME OF SAMPLE:1:30 PM
DATE ANALYZED:06-23-83

CONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 89 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:06-23-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200942

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
WSF-372

FACILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: PAVEY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: RE

DATE SAMPLED:03-15-83
TIME OF SAMPLE:8:15 A
DATE ANALYZED:05-09-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .75 MICROLITERS

TOTAL PCB IN SAMPLE: 33 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:05-09-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200943

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-450

ACILITY: T.W., STA. 8, CORONA - T-810 STORAGE TANK

SAMPLED BY: NA
AMPLE TYPE: FYRQUEL GT
NALYSIS BY: HS

DATE SAMPLED:05-18-83
TIME OF SAMPLE:NA
DATE ANALYZED:05-23-83

ONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

OTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:05-23-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200044

W. Walker

cc: ABJ
JCW

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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DEPARTMENT
MAY 23 1983

ANALYSIS NUMBER
83P-451

ACILITY: T.W., STA. 8, CORONA - T-810 SUMP

SAMPLED BY: NA
AMPLE TYPE: FYRQUELGT
NALYSIS BY: HS

DATE SAMPLED:05-18-83
TIME OF SAMPLE:NA
DATE ANALYZED:05-23-83

ONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 5 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:05-23-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

5-27-83
P-7 PCB file

1200945

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-471

FACILITY: T.W., STA. 5, THOREAU - CONCRETE PIT, WEST SIDE

SAMPLED BY: DILS
SAMPLE TYPE: PIPELINE WASTE
ANALYSIS BY: HS

DATE SAMPLED:05-25-83
TIME OF SAMPLE:8:00 AM
DATE ANALYZED:06-02-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .925 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:06-06-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200946

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-508

FACILITY: T.W., CORONA, T-810 - CRANKCASE OIL

SAMPLED BY: NA
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:06-08-83
TIME OF SAMPLE:NA
DATE ANALYZED:06-14-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 5 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:06-14-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200047

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED JUN 15 1983 OPERATIONAL COMPLIANCE

ANALYSIS NUMBER
83P-509

ACILITY: T.W., CORONA, T-810 - STORAGE TANK

AMPLED BY: NA
AMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:06-08-83
TIME OF SAMPLE:NA
DATE ANALYZED:06-14-83

ONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:06-14-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200948

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-527

FACILITY: T.W., STA. 7 - SCRUBBER BLOWDOWN TANK

SAMPLED BY: FERRER
SAMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED:06-02-83
TIME OF SAMPLE:2:30 PM
DATE ANALYZED:06-23-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 27 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:06-23-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200949

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
JUL 13 1983
OPERATIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-528

ACILITY: T.W., STA. 5 - 500 BBL. DRIP TANK

SAMPLED BY: JOLLY
SAMPLE TYPE: WASTE FLUID
ALYSIS BY: HS

DATE SAMPLED:06-02-83
TIME OF SAMPLE:3:00 PM
DATE ANALYZED:07-11-83

ONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 121 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:07-12-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200950

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
JUL 26 1983
REGIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-567

ACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: JOLLY
AMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:05-04-83
TIME OF SAMPLE:1:00 PM
DATE ANALYZED:07-25-83

ONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 89 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:07-25-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200051

Mr. Walker

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MEASUREMENT
DEPARTMENT
JUL 11 1983

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
JUL 11 1983
OPERATIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-582

FACILITY: T.W., STA. 8, CORONA - PIT B BERM

SAMPLED BY: SHADOWENS/WALKER
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:07-06-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-08-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 110 NANOGRAMS/GRAM (PPB)

REMARKS: SAMPLED AT NORTHEAST CORNER, 6.5 FEET DEEP

PREPARED BY:SEELEY
DATE:07-08-83

1200052

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-586

RECEIVED
AUG 22 1983
OPERATIONAL
COMPLIANCE

FACILITY: T.W., STA. 8 - PIT C

SAMPLED BY: WALKER
SAMPLE TYPE: WASTE MATERIAL
ANALYSIS BY: HS

DATE SAMPLED:07-06-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-29-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 12 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:07-29-83

*ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200053

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-598

CILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: GONZALES
MPLE TYPE: PIPELINE FLUID
ALYSIS BY: HS

DATE SAMPLED:06-22-83
TIME OF SAMPLE:8:15 AM
DATE ANALYZED:07-25-83

NCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .9 MICROLITERS

OTAL PCB IN SAMPLE: 42 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:07-25-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200054

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-601

ICILITY: T.W., STA. 8 - TANK D

SAMPLED BY: SHADOWENS
MPLE TYPE: THICK FLUID
ALYSIS BY: HS

DATE SAMPLED:07-06-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-25-83

INCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 249 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:07-25-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

This Analysis will be used for disposal CRS
July 83

1200055

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-602

RECEIVED
JUL 26 1983
OPERATIONAL
COMPLIANCE

ACILITY: T.W., STA. 8 - COMPOSITE OF PIT A

SAMPLED BY: SHADOWENS
AMPLE TYPE: SEMI-SOLID LIQUID
NALYSIS BY: HS

DATE SAMPLED:07-06-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-25-83

ONCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

OTAL PCB IN SAMPLE: 309 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:07-25-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

This Analysis will be used for Disposal CRS
July 83

1200956

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-612

RECEIVED JUL 26 1983 OPERATIONAL COMPLIANCE

CILITY: T.W., STA. 8 - COMPOSITE OF PIT B

AMPLED BY: SHADOWENS
MPLE TYPE: SEMI-SOLID LIQUID
ALYSIS BY: HS

DATE SAMPLED:07-06-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-25-83

NCENTRATION OF STANDARD: 5 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1 MICROLITERS
LUME OF SAMPLE INJECTED: .975 MICROLITERS

OTAL PCB IN SAMPLE: 375 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:07-25-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

This Analysis will be used for disposal CRS July 83

1200957

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-617

CILITY: T.W., STA. 8 - BACKGROUND SOIL, SAMPLE #2

MPLED BY: WALKER/SHADOWENS
MPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:07-06-83
TIME OF SAMPLE:3:30 PM
DATE ANALYZED:07-15-83

NCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: 216 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:07-19-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

The sample used [illegible]

1200058

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-629

FACILITY: T.W. STA. 7 - PIG TRAP

SAMPLED BY: PAVEY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:04-25-83
TIME OF SAMPLE:2:30 PM
DATE ANALYZED:07-27-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 22 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:07-27-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200959

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-631

RECEIVED
AUG 2 1983
OPERATIONAL
COMPLIANCE

FACILITY: T.W., STA. 6, LAGUNA - PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:05-10-83
TIME OF SAMPLE:1:00 PM
DATE ANALYZED:07-29-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 33 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:07-29-83

*ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200960

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-632

RECEIVED
JUL 28 1983
OPERATIONAL COMPLIANCE

ACILITY: T.W., STA. 7 TO BELEN - PIG RUN

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
IALYSIS BY: HS

DATE SAMPLED:05-03-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-27-83

ONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .95 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 8 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:07-27-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200961

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-633

RECEIVED
AUG 3 1983
OPERATIONAL
COMPLIANCE

ACILITY: T.W., STA. 6, LAGUNA - PIG TRAP

SAMPLED BY: NUNN
AMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:06-20-83
TIME OF SAMPLE:1:00 PM
DATE ANALYZED:08-02-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 116 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-02-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200962

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-646

RECEIVED

ACILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: PAVEY
SAMPLE TYPE: PIPELINE FLUID
ALYSIS BY: HS

DATE SAMPLED:07-08-83
TIME OF SAMPLE:3:00 PM
DATE ANALYZED:08-02-83

NCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: .975 MICROLITERS
LUME OF SAMPLE INJECTED: .975 MICROLITERS

OTAL PCB IN SAMPLE: 5 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:08-02-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200963

Walker

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DEPARTMENT
JUL 27 1983

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-648

CEI ABJ
JCW

CILITY: T.W., STA. 8 - UNIT T-810

MPLED BY: HENDRICKS
MPLE TYPE: FYRQUEL GT
NALYSIS BY: HS

DATE SAMPLED:07-20-83
TIME OF SAMPLE:10:30 AM
DATE ANALYZED:07-26-83

NCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

OTAL PCB IN SAMPLE: 5 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: SAMPLE TAKEN ABOVE FILTERS.

PREPARED BY:SEELEY
DATE:07-26-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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4 Aug 83

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-649

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ICILITY: T.W., STA. 7 - UNLINED PIT #2 OIL SAMPLE

SAMPLED BY: SHADOWENS
AMPLE TYPE: WASTE OIL
NALYSIS BY: HS

DATE SAMPLED:07-14-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-02-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: 336 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:08-02-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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JUL 28 1983

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

cc: JCW

ANALYSIS NUMBER
83P-651

FACILITY: T.W., STA. 7 - SOIL SAMPLE

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:07-14-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-27-83

CONCENTRATION OF STANDARD: 2 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .95 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: SAMPLE TAKEN APPROX. 30 YDS. NORTHWEST OF OWG BUILDING

PREPARED BY:SEELEY
DATE:07-27-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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4 Aug 83

Mr. Walker

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DEPARTMENT
JUL 29 1983

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

cc: JCG

ANALYSIS NUMBER
83P-652

FACILITY: T.W., STA. 7 - SOIL SAMPLE

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:07-14-83
TIME OF SAMPLE:NA
DATE ANALYZED:07-29-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 86 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:07-29-83

*ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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P- PCB file *
2 Aug 83

1200067

Walker

cc: JCW

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
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DEPARTMENT
AUG 3 1983

ANALYSIS NUMBER
83P-654

FACILITY: T.W., STA. 7 - WATER FROM PIT #2

SAMPLED BY: SHADOWENS
SAMPLE TYPE: WATER
ANALYSIS BY: HS

DATE SAMPLED:07-14-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-02-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 230 MICROGRAMS/LITER (PPB)

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-02-83

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4 August 83

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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ANALYSIS NUMBER
83P-641

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: JOLLY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:07-08-83
TIME OF SAMPLE:2:00 PM
DATE ANALYZED:08-10-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 122 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-10-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200969

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-643

CILITY: T.W., STA. 6, LAGUNA - PIG TRAP

SAMPLED BY: NUNN
SAMPLE TYPE: PIPELINE FLUID
ALYSIS BY: HS

DATE SAMPLED:07-08-83
TIME OF SAMPLE:12:30 PM
DATE ANALYZED:08-05-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1 MICROLITERS
LUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 188 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-05-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200970

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-658

ICILITY: T.W., STA. 7 TO RIO GRANDE RIVER - PIG RUN

MPLED BY: NA
MPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:07-08-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-12-83

NCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

OTAL PCB IN SAMPLE: 34 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:08-12-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200971

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-687

ACILITY: T.W., STA. 7 - PIG TRAP

AMPLED BY: PAVEY
AMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:08-01-83
TIME OF SAMPLE:3:05 PM
DATE ANALYZED:08-12-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9875 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 42 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:08-12-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200972

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-708

ACILITY: T.W., LAGUNA - PIG TRAP

MPLED BY: CONNOR
MPLE TYPE: PIPELINE FLUID
IALYSIS BY: HS

DATE SAMPLED:08-03-83
TIME OF SAMPLE:2:15 PM
DATE ANALYZED:08-16-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: 5 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:08-16-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200973

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-709

ACILITY: T.W., STA. 7 - LOOP START

SAMPLED BY: BENARD
SAMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:07-20-83
TIME OF SAMPLE:8:00 AM
DATE ANALYZED:08-26-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 7 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-26-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200374

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-711

ACILITY: T.W., STA. 7 TO RIO GRANDE RIVER - PIG RUN

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:08-03-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-16-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

OTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:08-16-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200975

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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ANALYSIS NUMBER
83P-722

ACILITY: T.W., STA. 6 - START LOOP LINE

AMPLED BY: BENARD
AMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:07-29-83
TIME OF SAMPLE:7:00 AM
DATE ANALYZED:08-16-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 52 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:08-16-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200976

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-723

FACILITY: T.W., STA. 5 - PIG TRAP

AMPLED BY: JOLLY
SAMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:08-04-83
TIME OF SAMPLE:2:00 PM
DATE ANALYZED:09-02-83

ONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 423 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:09-02-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200077

Mr. Walker

cc: ABJ
JCW

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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DEPARTMENT
AUG 24 1983

ANALYSIS NUMBER
83P-735

ACILITY: T.W., STA. 8, CAPITAN - OPERATING TANK

AMPLED BY: JH
AMPLE TYPE: FYRQUEL GT
NALYSIS BY: HS

DATE SAMPLED:08-19-83
TIME OF SAMPLE:10:00 AM
DATE ANALYZED:08-23-83

INCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: 5 PPM (MILLIGRAMS/KILOGRAM)*

MARKS: NONE

PREPARED BY:SEELEY
DATE:08-23-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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Mr. Walker

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

cc: JCW

ANALYSIS NUMBER
83P-743

ACILITY: T.W., STA. 8, CORONA - TANK D, #3 RINSE

SAMPLED BY: SHADOWENS
AMPLE TYPE: DIESEL
NALYSIS BY: HS

DATE SAMPLED:08-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-25-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-25-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-744

ICILITY: T.W., STA. 8, CORONA - #1 DECONTAMINATION SAMPLE

SAMPLED BY: SHADOWENS
AMPLE TYPE: DIESEL
ALYSIS BY: HS

DATE SAMPLED:08-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-26-83

INCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

ITAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-26-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

good!

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-746

ACILITY: T.W., STA. 8, CORONA - #2 DECONTAMINATION SAMPLE

SAMPLED BY: SHADOWENS
AMPLE TYPE: DIESEL
NALYSIS BY: HS

DATE SAMPLED:08-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-26-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-26-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-747

ACILITY: T.W., STA. 8, CORONA - TANK D, #4 CLEAN-UP WASH

SAMPLED BY: SHADOWENS
AMPLE TYPE: DIESEL
NALYSIS BY: HS

DATE SAMPLED:08-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-26-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 1 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:08-26-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
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ANALYSIS NUMBER
83F-748

ACILITY: T.W., STA. 8, CORONA - TANK D, #3 CLEAN-UP WASH

SAMPLED BY: SHADOWENS
AMPLE TYPE: DIESEL
NALYSIS BY: HS

DATE SAMPLED:08-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-26-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 4 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-26-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-753

ACILITY: T.W., STA. 8, CORONA - TANK D, #2 CLEAN-UP WASH

SAMPLED BY: SHADOWENS
AMPLE TYPE: DIESEL
ALYSIS BY: HS

DATE SAMPLED:08-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-29-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 24 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-29-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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ANALYSIS NUMBER
83P-734

ACILITY: T.W., STA. 8, CORONA - TANK D, #1 CLEAN-UP WASH

SAMPLED BY: SHADOWENS
AMPLE TYPE: DIESEL
NALYSIS BY: HS

DATE SAMPLED:08-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:08-29-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 182 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:08-29-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-762

FACILITY: T.W., STA. 8 - PIT A, 7 FEET

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:08-31-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-01-83

ONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 93 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: DUPLICATE SAMPLE RESULT - 88 PPM.

PREPARED BY:SEELEY
DATE:09-02-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-763

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FACILITY: T.W., STA. 8 - PIT A, 6 FEET DEEP

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:08-31-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-01-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 547 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: DUPLICATE SAMPLE RESULT - 558 PPM.

PREPARED BY:SEELEY
DATE:09-02-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-764

FACILITY: STA. 8, T.W. - PIT A, 5 FEET DEEP

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:APPROX. 8-30-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-02-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 1276 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-02-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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ANALYSIS NUMBER
83F-766

ACILITY: T.W., STA. 8. CORONA - PIT A. 4 FEET

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-06-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 301 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:09-07-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-767

FACILITY: T.W., STA. 6, CORONA - PIT B, 5 FEET

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-06-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-07-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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ANALYSIS NUMBER
83F-766

FACILITY: T.W., STA. 8, CORONA - PIT A, 3 FEET

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-07-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 107 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

*ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-769

FACILITY: T.W., STA. 8, CORONA - PIT B, 4 FEET

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-07-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200992

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-771

FACILITY: T.W., STA. 8, CORONA - PIT A, 2 FEET

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 552 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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ANALYSIS NUMBER
83P-772

FACILITY: T.W., STA. 8, CORONA - PIT B, 3 FEET

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200994

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-773

FACILITY: T.W., STA. 8, CORONA - PIT B, 2 FEET

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:BNA
DATE ANALYZED:09-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-774

FACILITY: T.W., STA. 8, CORONA - PIT B, 1 FOOT

AMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1200996

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-776

ICILITY: T.W., STA. 8, CORONA - PIT B, 2 FEET, TRENCH #5

AMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-07-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-777

FACILITY: T.W., STA. 8, CORONA - PIT B, 2 FEET, TRENCH #4

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-07-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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ANALYSIS NUMBER
83P-778

ACILITY: T.W., STA. 8, CORONA - PIT B, 2 FEET, TRENCH #3

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-07-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-08-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 36 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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ANALYSIS NUMBER
83P-779

FACILITY: T.W., STA. 8, CORONA - PIT B, 2 FEET, TRENCH #2

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-07-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 11 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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ANALYSIS NUMBER
83P-781

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ACILITY: T.W., STA. 8, CORONA - PIT A, 8 FEET, SOUTH

SAMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-07-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-09-83

ONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 9 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:09-09-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201001

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-782

ACILITY: T.W., STA. 8, CORONA - PIT A, 8 FEET, NORTH

SAMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-07-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-09-83

ONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

OTAL PCB IN SAMPLE: 151 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-09-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201002

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-784

CILITY: T.W., STA. 8, CORONA - PIT A, TRENCH 4, 4 FEET

SAMPLED BY: SHADOWENS
MPLE TYPE: SOIL
ALYSIS BY: HS

DATE SAMPLED:09-06-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-09-83

NCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1 MICROLITERS
LUME OF SAMPLE INJECTED: .95 MICROLITERS

OTAL PCB IN SAMPLE: 25 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-09-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201004

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-786

ACILITY: T.W., STA. 8, CORONA - PIT A, 8 FEET, WEST

SAMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-08-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-09-83

NCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 54 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-09-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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cc: JCW

n Walker

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ANALYSIS NUMBER
83P-787

ACILITY: T.W., STA. 8, CORONA - PIT A, 7 FEET, WEST

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-08-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-09-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 70 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-09-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

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MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-793

cc: JCW

FACILITY: T.W., STA. 7 - SCRUBBER BLOWDOWN TANK

SAMPLED BY: AUTREY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:09-08-83
TIME OF SAMPLE:2:30 PM
DATE ANALYZED:09-20-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 38 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-20-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

9-28-83
C-
P- * PCB file
28 Sept 83

1201007

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-797

FACILITY: T.W., STA. 8 - PIT B, GRID #2-B

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED: ~~NA~~ 9-9-83
TIME OF SAMPLE: NA
DATE ANALYZED: 09-14-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 86 PPM

REMARKS: DUPLICATE RESULT IS 76 PPM.
SAMPLE SPLIT WITH CWM.

PREPARED BY: SEELEY
DATE: 09-15-83

1201008

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-798

ACILITY: T.W., STA. 8 - PIT B, GRID #3-C

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED: NA 9-9-83
TIME OF SAMPLE: NA
DATE ANALYZED: 09-14-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

EMARKS: DUPLICATE RESULTS WERE <1 AND 4 PPM"
SAMPLE SPLIT WITH CWM.

PREPARED BY: SEELEY
DATE: 09-15-83

1201009

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-799

ACILITY: T.W., STA. 8 - PIT B, GRID #4-D

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED: ~~NA~~ 9-9-83
TIME OF SAMPLE: NA
DATE ANALYZED: 09-14-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 41 PPM

MARKS: SAMPLE SPLIT WITH CWM.

PREPARED BY: SEELEY
DATE: 09-15-83

1201010

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-801

FACILITY: T.W., STA. 8 - PIT B, GRID #5-E

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 18 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201011

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-802 A

FACILITY: T.W., STA. 8 - PIT B, GRID # 6-F

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 15 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201012

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-803

ACILITY: TW. STA. 8, PIT A - SOUTHEAST CORNER, 12 FEET

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-12-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-15-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 750 PPM

EMARKS: NONE

PREPARED BY:SEELEY
DATE:09-15-83

1201013

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-804

FACILITY: T.W., STA. 8, PIT A - EAST SIDE, 9 FEET

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-12-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-15-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 1016 PPM

REMARKS: NONE

PREPARED BY:SEELEY
DATE:09-15-83

1201014

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-806

FACILITY: T.W., STA. 8 - PIT A, N.E. CORNER, 9 FEET

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-12-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-15-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9916667 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 233 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201015

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-807

RECEIVED SEP 26 1983 OPERATIONAL ENGINEERING

FACILITY: T.W. STA. 8 - PIT B, GRID # 7-G

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 617 PPM

REMARKS: RESULT INCLUDES SECOND AND THIRD RINSES.
DUPLICATE VALUE IS 641 PPM.

PREPARED BY:SEELEY
DATE:09-19-83

1201016

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-808

FACILITY: T.W., STA. 8 - PIT B, GRID #2-G

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 68 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.
DUPLICATE RESULT WAS 71 PPM.

PREPARED BY:SEELEY
DATE:09-19-83

1201017

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-809

FACILITY: T.W., STA. 8 - PIT B, GRID # 3-F

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 32 PPM

REMARKS: DUPLICATE RESULT IS 37 PPM.
RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201018

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-811

FACILITY: T.W., STA. 8 - PIT B, GRID #4-E

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 55 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201019

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-812

FACILITY: T.W., STA. 8 - PIT B, GRID # 5-D

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1.025 MICROLITERS

TOTAL PCB IN SAMPLE: 60 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201020

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-813

FACILITY: T.W., STA. 8 - PIT B, GRID #6-C

AMPLED BY: SHADOWENS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 43 PPM

EMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201021

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-814

FACILITY: T.W., STA. 8 - PIT B, GRID # 7-B

SAMPLED BY: SHADOWENS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-09-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-16-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.008333 MICROLITERS
VOLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

REMARKS: DUPLICATE RESULT IS LESS THAN 1 PPM.

PREPARED BY:SEELEY
DATE:09-19-83

1201022

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-816

FACILITY: T.W., STA. 8 - PIT B, GRID # 4-D

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 37 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.
DUPLICATE VALUE IS 10 PPM.

PREPARED BY:SEELEY
DATE:09-19-83

1201023

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-817

FACILITY: T.W., STA. 8 - PIT B, GRID # 2-G

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 2 PPM

REMARKS: DUPLICATE VALUE IS 2 PPM.
NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201024

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-818

SEP 20 1983
OPERATIONAL COMPLIANCE

FACILITY: T.W., STA. 8 - PIT B, GRID # 7-G

AMPLED BY: CS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 48 PPM

EMARKS: RESULT INCLUDES SECOND RINSE.
DUPLICATE VALUE IS 57 PPM.

PREPARED BY:SEELEY
DATE:09-19-83

1201025

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-819

FACILITY: T.W., STA. 8 - PIT B, GRID # 5-D

AMPLED BY: CS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
OLUME OF SAMPLE INJECTED: .9 MICROLITERS

TOTAL PCB IN SAMPLE: 112 PPM

MARKS: RESULT INCLUDES SECOND RINSE.
DUPLICATE VALUE IS 109 PPM.

PREPARED BY:SEELEY
DATE:09-19-83

1201026

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

SEP 20 1983
OPERATIONAL COMPLIANCE

ANALYSIS NUMBER
83P-821

FACILITY: T.W., STA. 8 - PIT B, GRID # 6-C

AMPLED BY: CS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 64 PPM

MARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201027

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-822

FACILITY: T.W., STA. 8 - PIT B, GRID # 2-B

MPLED BY: CS
SAMPLE TYPE: SOIL
ALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1.0125 MICROLITERS
LUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 87 PPM

MARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201028

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-823

FACILITY: T.W., STA. 8 - PIT B, GRID # 4-E

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 64 PPM

REMARKS: NO SECOND RINSE.
DUPLICATE VALUE IS 74 PPM.

PREPARED BY:SEELEY
DATE:09-19-83

1201029

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
SEP 20 1983
OPERATIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-824

FACILITY: T.W., STA. 8 - PIT B, GRID # 5-E

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 23 PPM

REMARKS: DUPLICATE VALUE IS 34 PPM.
NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201030

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-826

FACILITY: T.W., STA. 8 - PIT B, GRID # 6-F

MPLED BY: CS
SAMPLE TYPE: SOIL
ALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1.0125 MICROLITERS
LUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 66 PPM

MARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201031

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-826 A

RECEIVED
MEASUREMENT
DEPARTMENT
SEP 20 1983

FACILITY: T.W., STA. 8 - PIT B, GRID # 6-F

AMPLED BY: CS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-19-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 43 PPM

EMARKS: RESULT INCLUDES SECOND RINSE.
ORIGINAL VALUE WAS 66 PPM.

PREPARED BY:SEELEY
DATE:09-20-83

9-27-83
C -
P - Sta 8 Project
20 Sept 83

1201032

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-827

ACILITY: T.W., STA. 8 - PIT B, GRID # 3-F

SAMPLED BY: CS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
OLUME OF SAMPLE INJECTED: 1.05 MICROLITERS

TOTAL PCB IN SAMPLE: 49 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201033

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-828

FACILITY: T.W., STA. 8 - PIT B, GRID # 3-C

AMPLED BY: CS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.0125 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 43 PPM

EMARKS: NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201034

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-829

FACILITY: T.W, STA. 8 - PIT B, GRID # 7-B

MPLED BY: CS
SAMPLE TYPE: SOIL
ALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-17-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: 1.0125 MICROLITERS
LUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

MARKS: NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201035

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
SEP 20 1983
OPERATIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-831

FACILITY: T.W., STA. 8 - PIT B, GRID # 6-C

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-18-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 123 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201036

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-832

FACILITY: T.W., STA. 8 - PIT B, GRID # 5-D

IMPLED BY: CS
SAMPLE TYPE: SOIL
IALYSIS BY: HS

DATE SAMPLED:09-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-18-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: .975 MICROLITERS
LUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 12 PPM

MARKS: RESULT INCLUDES SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201037

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
SEP 20 1983
OPERATIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-833

FACILITY: T.W., STA. 8 - PIT B, GRID # 7-G

AMPLED BY: CS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-18-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

EMARKS: NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201038

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-834

FACILITY: T.W., STA. 8 - PIT B, GRID # 4-E

MPLED BY: CS
SAMPLE TYPE: SOIL
ALYSIS BY: HS

DATE SAMPLED:09-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-18-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
LUME OF STANDARD INJECTED: .975 MICROLITERS
LUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM.

MARKS: NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

1201039

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-871

SEP 29 1983
REGIONAL
COMPLIANCE

FACILITY: T.W., STA. 8 - PIT A, NORTH TRENCH, NORTH SIDE, 5 FEET

AMPLED BY: CS
AMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-21-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-27-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.025 MICROLITERS
OLUME OF SAMPLE INJECTED: 1.075 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

MARKS: SAMPLE EXTRACTED TWO TIMES.
DUPLICATE VALUE WAS LESS THAN 1 PPM.

PREPARED BY:SEELEY
DATE:09-28-83

1201040

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-672

FACILITY: T.W., STA. 8 - PIT B, GRID # 5-E, RESAMPLE

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-25-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-27-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1.025 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

REMARKS: SAMPLE EXTRACTED TWO TIMES.
DUPLICATE VALUE WAS LESS THAN 1 PPM.

PREPARED BY:SEELEY
DATE:09-28-83

1201041

Mr. Walker

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

cc: JCW

RECEIVED
MEASUREMENT
DEPARTMENT
SEP 29 1983

ANALYSIS NUMBER
83P-873

RECEIVED
SEP 29 1983
OPERATIONAL
COMPLIANCE

FACILITY: T.W., STA. 8 - PIT B, GRID # 3-F. RESAMPLE

AMPLED BY: CS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-25-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-27-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.025 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 2 PPM

REMARKS: SAMPLE EXTRACTED TWO TIMES.

PREPARED BY:SEELEY
DATE:09-28-83

C- 10-13-83
P- * PCB 226
[illegible]

1201042

Walker

cc: JCW

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
MEASUREMENT
DEPARTMENT
OCT 17 1983

ANALYSIS NUMBER
83P-876

ACILITY: T.W., STA. 5 - 500 BBL. WASTE TANK

SAMPLED BY: JOLLY
AMPLE TYPE: WASTE FLUID/WATER
NALYSIS BY: HS

DATE SAMPLED:09-21-83
TIME OF SAMPLE:8:30 AM
DATE ANALYZED:10-14-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 21 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:10-14-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

C- 10-28-83
P- * PCB 76
25 Oct 83

1201043

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-884

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NOV 16 1983
OPERATIONAL
COMPLIANCE

FACILITY: T.W., STA. 6, LAGUNA - SCRUBBER PIT

AMPLED BY: COMER
AMPLE TYPE: WASTE FLUID
ANALYSIS BY: HS

DATE SAMPLED:09-16-83
TIME OF SAMPLE:3:00 PM
DATE ANALYZED:11-15-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 105 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:11-16-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201044

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-890

FACILITY: STA. 8, CORONA - UNIT #T-810

AMPLED BY: HEROLIS
AMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:09-20-83
TIME OF SAMPLE:8:00 AM
DATE ANALYZED:10-06-83

ONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9625 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 4 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:10-07-83

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201045

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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OCT 5 1983
ENVIRONMENTAL
COMPLIANCE

ANALYSIS NUMBER
83P-893

FACILITY: T.W., STA. 8 - PIT A, BOTTOM CENTER UNDER ROCK

AMPLED BY: NA
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-29-83
TIME OF SAMPLE:NA
DATE ANALYZED:10-03-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .975 MICROLITERS
OLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 778 PPM

EMARKS: SAMPLE EXTRACTED THREE TIMES.

PREPARED BY:SEELEY
DATE:10-04-83

1201046

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-894

FACILITY: T.W., STA. 8 - PIT A, BOTTOM UNDER ROCK, 5 FEET WEST OF CENTER

SAMPLED BY: NA
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-29-83
TIME OF SAMPLE:NA
DATE ANALYZED:10-03-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 262 PPM

REMARKS: SSAMPLE EXTRACTED THREE TIMES.

PREPARED BY:SEELEY
DATE:10-04-83

1201047

Mr. Walker

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DEPARTMENT
OCT 5 1983

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-897

cc: JCW

FACILITY: T.W., STA. 8 - PIT A, EAST WALL, 26 FEET, OIL

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-29-83
TIME OF SAMPLE:NA
DATE ANALYZED:10-03-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 33192 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: ONLY ONE EXTRACTION DONE.

PREPARED BY:SEELEY
DATE:10-04-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

c 10-13-83
P - * PCB file
12 Oct 83

1201048

Walker

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NOV 7 1983

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NOV 7 1983
OPERATIONAL
COMPLIANCE

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

cc: JCW

ANALYSIS NUMBER
83P-989

ACILITY: T.W., STA. 8 - WATER FROM WELL SITE

AMPLED BY: SHERRARD
SAMPLE TYPE: WATER
NALYSIS BY: HS

DATE SAMPLED:09-13-83
TIME OF SAMPLE:11:15 AM
DATE ANALYZED:11-04-83

CONCENTRATION OF STANDARD: .002 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1.025 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 MICROGRAM/LITER (PPB)

REMARKS: NONE

PREPARED BY:SEELEY
DATE:11-04-83

c 11-9-83
P-*PCB file
7 Nov 83

1201049

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-1072

FACILITY: T.W., RIO GRANDE RIVER TO STA. 6 - PIG RUN

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:10-27-83
TIME OF SAMPLE:NA
DATE ANALYZED:12-08-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 438 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201030

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-1073

FACILITY: T.W.. STA. 6, LAGUNA - PIG TRAP

SAMPLED BY: TRONCOSO
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:10-06-83
TIME OF SAMPLE:NOON
DATE ANALYZED:12-08-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 1777 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-08-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201051

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-1079

FACILITY: T.W., STA. 5, CORONA - STORAGE TANK

SAMPLED BY: HENDRICKS
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:11-21-83
TIME OF SAMPLE:8:00 AM
DATE ANALYZED:12-06-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9625 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-06-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201052

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-1080

FACILITY: T.W.. STA. 8, CORONA - OPERATING TANK

SAMPLED BY: HENDRICKS
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:11-21-83
TIME OF SAMPLE:8:00 AM
DATE ANALYZED:12-06-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9625 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 2 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-06-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201053

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WALKER
cc: JCW

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-836

FACILITY: T.W., STA. 8 - PIT B, GRID # 2-B

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-17-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-18-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

REMARKS: NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-19-83

P— * PCB file when rec.
C— 7-27-83

20 Sept 83

1201054

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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SEP 20 1983
OPERATIONAL COMPLIANCE

SEP 20 1983

ANALYSIS NUMBER
83P-837

FACILITY: T.W., STA. 8 - PIT B, GRID # 6-C

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-19-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-19-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 3 PPM

REMARKS: RESULT INCLUDES SECOND RINSE.
NO DUPLICATE RUNS

PREPARED BY:SEELEY
DATE:09-20-83

9-27-83
C-
P- Sta 8 Project
20 Sept 83

1201055

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-861

RECEIVED
SEP 29 1983
OPERATIONAL
COMPLIANCE

FACILITY: T.W., STA. 8 - PIT B, GRID #3-F

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-22-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-23-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 36 PPM

REMARKS: SAMPLE EXTRACTED FOUR TIMES.

PREPARED BY:SEELEY
DATE:09-28-83

1201056

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-862

RECEIVED SEP 23 1983

FACILITY: T.W., STA. 8 - PIT B, GRID # 6-F

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-22-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-23-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: LESS THAN 1 PPM

REMARKS: NO SECOND RINSE.

PREPARED BY:SEELEY
DATE:09-28-83

1201057

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-863

RECEIVED
SEP 29 1983
OPERATIONAL
COMPLIANCE

FACILITY: T.W., STA. 8 - PIT B, GRID # 5-E

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED: 09-22-83
TIME OF SAMPLE: NA
DATE ANALYZED: 09-23-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 55 PPM

REMARKS: SAMPLE EXTRACTED THREE TIMES, RESULTS ADDED.

PREPARED BY: SEELEY
DATE: 09-28-83

1201058

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-864

FACILITY: T.W., STA.8 - PIT A, S.W. CORNER, SOIL ON ROCK

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-22-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-26-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 1355 PPM

REMARKS: DUPLICATE VALUE IS 1448 PPM.
TWO EXTRACTIONS DONE.

PREPARED BY:SEELEY
DATE:09-28-83

1201059

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83F-866

RECEIVED
SEP 29 1983
ENVIRONMENTAL
COMPLIANCE

FACILITY: T.W., STA. 8 - PIT A, S.E. CORNER, SOIL ON ROCK

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-22-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-26-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 193 PPM

REMARKS: DUPLICATE VALUE WAS 205 PPM.
TWO EXTRACTIONS DONE.

PREPARED BY:SEELEY
DATE:09-28-83

1201060

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-867

FACILITY: T.W. STA. 8 - PIT A, TRENCH #2, NORTH SIDE, 3 FEET

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-21-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-27-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9833333 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 3665 PPM

REMARKS: DUPLICATE VALUE WAS 4416 PPM.
ONLY TWO EXTRACTIONS DONE.

PREPARED BY:SEELEY
DATE:09-28-83

1201061

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-868

RECEIVED
SEP 28 1983
OVER-DENSE
COMPLIANCE

FACILITY: T.W., STA. 8 - PIT A, NORTH TRENCH, SOUTH SIDE, 5 FEET

AMPLED BY: CS
SAMPLE TYPE: SOIL
NALYSIS BY: HS

DATE SAMPLED:09-21-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-27-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9833333 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 5375 PPM

EMARKS: DUPLICATE VALUE WAS 5296 PPM.
ONLY TWO EXTRACTIONS DONE.

PREPARED BY:SEELEY
DATE:09-28-83

1201062

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-869

FACILITY: T.W., STA. 8 - PIT A, SOUTH-CENTER SOIL ON ROCK

SAMPLED BY: CS
SAMPLE TYPE: SOIL
ANALYSIS BY: HS

DATE SAMPLED:09-22-83
TIME OF SAMPLE:NA
DATE ANALYZED:09-26-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 244 PPM

REMARKS: DUPLICATE VALUE IS 230 PPM.
TWO EXTRACTIONS DONE.

PREPARED BY:SEELEY
DATE:09-26-83

1201063

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-1086

FACILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: FERRER
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:10-04-83
TIME OF SAMPLE:2:30 PM
DATE ANALYZED:12-28-83

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 26 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-28-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201064

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

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DEC 22 1983
ENVIRONMENTAL COMPLIANCE

ANALYSIS NUMBER
83P-1087

FACILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: PAVEY
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:09-02-83
TIME OF SAMPLE:3:30 PM
DATE ANALYZED:12-21-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 9 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-21-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201065

C.E.M.
C.: ABJ
JCW

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83P-1180

RECEIVED
MEASUREMENT
DEPARTMENT
DEC 30 1983

FACILITY: T.W., STA. 8, CORONA - STORAGE TANK

SAMPLED BY: NA
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:12-29-83

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:12-30-83

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

C 1-3-84
P-* PCB file
30 Dec 83

1201066

Mr. Walker

RECEIVED
MEASUREMENT
DEPARTMENT
JAN 5 1984

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
JAN 5 1984
OPERATIONAL
COMPLIANCE

ANALYSIS NUMBER
83P-1185

cc: ABJ
JCW

FACILITY: T.W., STA. 8, CORONA - OPERATING TANK

SAMPLED BY: NA
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:NA
TIME OF SAMPLE:NA
DATE ANALYZED:01-04-84

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 2 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-05-84

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

C- 1-6-84
P- * PCB file

5 Jan 84

1201067

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83D-023

SAMPLE LOCATION: T.W., STA. 5 - 500 BBL. CATCH TANK
SAMPLED BY: JOLLY ANALYZED BY:MAXWELL
DATE SAMPLED: 02-15-83 DATE ANALYZED:03-15-83

HEAT OF COMBUSTION:	N.D.
FLASH POINT:	114 F
SLUDGE:	N.D.
WATER:	N.D.
SPECIFIC GRAVITY:	.9242
VAPOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	N.D.
PCB CONTENT:	154 PPM

REMARKS: DENSITY IS 7.696 LBS./GAL.

PREPARED BY:SEELEY
DATE:04-05-83

RECEIVED
PIPELINE OPERATIONS
APR - 6 1983

RECEIVED
APR 6 1983
T. A. HERON

1201068

TEXAS E. TERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83D026

AMPLE LOCATION: STATION 2 FLAGSTAFF, AZ. - HOLDING TANK
SAMPLED BY: HOLLON ANALYZED BY:MFM - HS
ATE SAMPLED: 03-01-83 DATE ANALYZED:04-07-83

EAT OF COMBUSTION:	N.D.
LASH POINT:	<20 F
%SLUDGE:	N.D.
" WATER: "	N.D.
PECIFIC GRAVITY:	.7555
APOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	N.D.
CB CONTENT:	24 PPM

EMARKS: DENSITY IS 6.285 POUNDS/GALLON.

PREPARED BY:MARK MAXWELL
DATE:04-07-83

RECEIVED
APR 11 1983
T. A. HERON

RECEIVED
PIPELINE OPERATIONS
APR - 8 1983

1201069

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83D-052

AMPLE LOCATION: T W CORONA PIT A
AMPLED BY: CHARLES SHADOWENS
DATE SAMPLED: 7-6-83

ANALYZED BY:DOUGLAS DODDS
DATE ANALYZED:11-11-83

HEAT OF COMBUSTION:	N.D.
LASH POINT:	375 F
% SLUDGE:	92
% WATER:	8
PECIFIC GRAVITY:	N.D.
APOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	N.D.

EMARKS: PCB ANALYSIS 83P-602

PREPARED BY:DOUGLAS DODDS
DATE:11-11-83

1201070

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
83D-053

AMPLE LOCATION: T W CORONA PIT B
AMPLED BY: CHARLES SHADOWENS ANALYZED BY:DOUGLAS DODDS
DATE SAMPLED: 7-6-83 DATE ANALYZED:11-11-83

EAT OF COMBUSTION:	N.D.
LASH POINT:	415 F
SLUDGE:	98
% WATER:	2
PECIFIC GRAVITY:	N.D.
APOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	N.D.

EMARKS: PCB ANALYSIS 83P-612

PREPARED BY:DOUGLAS DODDS
DATE:11-11-83

1201070A

[illegible] GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
[illegible]

SAMPLE LOCATION: [illegible] A-THOREAU
SAMPLE TYPE: [illegible]
DATE SAMPLED: 12-[illegible]-82

ANALYZED BY: TJS
DATE ANALYZED: 01/83

HEAT OF COMBUSTION:	N.D.
FLASH POINT:	92 F
%SLUDGE:	N.D.
" WATER: "	N.D.
SPECIFIC GRAVITY:	.8676
VAPOR PRESSURE (100F):	N.D.
VISCOSITY (SSU AT 100 F):	N.D.
TOC CONTENT:	482 PPM

REMARKS: SAMPLE FROM 300 BBL. CATCH TANK

PREPARED BY: TIM SIEVERT
DATE: 01-25-83

1201071

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-004

FACILITY: T.W., STA. 5 - 500 BBL. WASTE TANK

SAMPLED BY: JOLLY
SAMPLE TYPE: WATER/CONDENSATE
ANALYSIS BY: HS

DATE SAMPLED:11-10-83
TIME OF SAMPLE:NOON
DATE ANALYZED:01-11-84

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: 1 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 10 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-11-84

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201072

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

RECEIVED
JAN 26 1984
ENVIRONMENTAL
COMPLIANCE

ANALYSIS NUMBER
84P-016

FACILITY: T.W., SEC. 7 LOOP TO END OF LOOP RIVER

SAMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: MS

DATE SAMPLED:12-07-83
TIME OF SAMPLE:NA
DATE ANALYZED:01-25-84

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: 383 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-25-84

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201073

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-049

FACILITY: T.W., STA. 7 - PIG TRAP

SAMPLED BY: PADILLA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:01-05-84
TIME OF SAMPLE:10:15 AM
DATE ANALYZED:01-24-84

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .9875 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 9 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-24-84

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201074

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-057

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: PADILLA
SAMPLE TYPE: PIPELINE FLUID
ANALYSIS BY: HS

DATE SAMPLED:12-19-83
TIME OF SAMPLE:10:00 AM
DATE ANALYZED:01-25-84

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: 1 MICROLITERS

TOTAL PCB IN SAMPLE: 562 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-25-84

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201075

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-059

FACILITY: T.W., STA. 7 TO RIO GRANDE RIVER - PIG RUN

AMPLED BY: NA
AMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:12-15-83
TIME OF SAMPLE:NA
DATE ANALYZED:01-26-84

ONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 371 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:01-26-84

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201076

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-073

FACILITY: T.W., STA. 5 - PIG TRAP

SAMPLED BY: DILS
SAMPLE TYPE: FYRQUEL GT
ANALYSIS BY: HS

DATE SAMPLED:10-07-83
TIME OF SAMPLE:NOON
DATE ANALYZED:01-25-84

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
VOLUME OF STANDARD INJECTED: .975 MICROLITERS
VOLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 394 PPM (MILLIGRAMS/KILOGRAM)*

REMARKS: NONE

PREPARED BY:SEELEY
DATE:01-25-84

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201077

TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-082

FACILITY: T.W., STA. 5 - PIG TRAP

AMPLED BY: JOLLY
SAMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:10-28-83
TIME OF SAMPLE:1:30 PM
DATE ANALYZED:01-26-84

CONCENTRATION OF STANDARD: 4.8 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: 1 MICROLITERS
OLUME OF SAMPLE INJECTED: .95 MICROLITERS

TOTAL PCB IN SAMPLE: 1023 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:01-26-84

ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

1201078

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TEXAS EASTERN GAS PIPELINE COMPANY
MEASUREMENT LABORATORY

ANALYSIS NUMBER
84P-084

RECEIVED
MEASUREMENT
DEPARTMENT
JAN 25 1984

FACILITY: T.W., SECT. 5 - BEGINNING TO END OF LOOP

AMPLED BY: NA
SAMPLE TYPE: PIPELINE FLUID
NALYSIS BY: HS

DATE SAMPLED:09-29-83
TIME OF SAMPLE:NA
DATE ANALYZED:01-24-84

CONCENTRATION OF STANDARD: 1.92 NANOGRAMS/MICROLITER
OLUME OF STANDARD INJECTED: .9875 MICROLITERS
OLUME OF SAMPLE INJECTED: .975 MICROLITERS

TOTAL PCB IN SAMPLE: < 1.0 PPM (MILLIGRAMS/KILOGRAM)*

EMARKS: NONE

PREPARED BY:SEELEY
DATE:01-24-84

* ANALYSIS DONE IN ACCORDANCE WITH EPA-EMSL 'ANALYSIS OF PCB'S IN TRANSFORMER FLUID AND WASTE OILS'.

2-10-84
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*P-PCB file
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