

GW - 1

REPORTS

YEAR(S):

1984

Onsite Sampling Investigation

Plateau Inc. Refinery (NMI686)

Bloomfield, New Mexico

Prepared by

Ecology and Environment, Inc.

Region VI Field Investigation Team

Dallas, Texas

TDD No. R-6-8403-11

May 1984

Plateau, Inc. Refinery
Bloomfield, NM

Onsite Sampling Investigation 1984

During the week of March 19-24, the Field Investigation Team (FIT) from the Dallas office of Ecology and Environment, Inc. conducted a sampling investigation of the Plateau Inc. Refinery (NMI686) located just southeast of Bloomfield, New Mexico. Samples were taken according to a plan developed by Steve Schwartz and Will Focht, both of the US EPA Region VI office in Dallas. Entry onto the site was by permission from Mr. Paul Liscom, Refinery Manager. During all FIT activities on the refinery property, Plateau employees accompanied the individual work teams.

Site Description

The refinery now owned by Plateau Incorporated has been in existence since before 1960. The 287 acre refinery property extends across the San Juan River which flows from east to west, 1/8 mile north of the actual refinery plant (see attached location map).

The San Juan river has cut a wide stream path leaving an exposed north facing bluff and talus slope. The principle strata are an impermeable shale known as the Nascimiento Formation (80-100') and an overlying reworked glacial cobble bed (40-50'). Alluvial sands are layered above the cobble bed. The interface between the cobble bed and shale is very distinct and demonstrates differential permeabilities that vary by several orders of magnitude.

Below the bluff and directly north of the refinery plant lies a broad sandy river terrace that ranges up to 150 feet wide, and usually only 2-3 feet above the river level. Flow in the San Juan River is controlled by operation of the Navajo Dam 26 miles upstream. Groundwater level in the sand terrace varies with river flow conditions. Depth to first aquifer of major proportions is about 700 feet; production is about 200 gpm.

In several locations along the bluff, seepages and springs issued from the cobble bed/shale interface. The talus slope exhibited obvious staining and discoloration and there was evidence of distressed vegetation at its base. Stained soils and seepage from the bluff had distinct hydrocarbon odors. A large area of the west end of the river terrace was stained darkly. This was reportedly from a previous spill of 2500 barrels of oil in 1963.

FIT Activities

The FIT took samples by standard FIT procedures from the facility's API separator pond, evaporation ponds, monitoring wells, spray irrigation area and from a variety of features on the property that were in probable runoff paths (ponds, sumps, arroyos, etc). For comparison, samples were taken upstream and downstream of the refinery in both the San Juan River and Hammond Ditch. Samples were also taken of seepage from the bluff and soils from the river terrace (see Attachment A for sample station locations).

The principal leachate spring sampled as Station #18 produced an immiscible, two-phase liquid that was field-estimated to be 5% organic liquid and 95% water. This sample was field separated by a FIT chemist. The water fraction was sent to the designated contract laboratory while the organic liquid fraction was sent to EPA's National Enforcement Investigation Center (NEIC) in Denver, Colorado for further handling.

Several shallow (1-3') holes were dug in the river terrace. After allowing groundwater to percolate into the holes, the air volumes in the holes above the groundwater surface were monitored with an HNu photoionizer. A sample of the liquids from each hole was gathered in a jar from which the head-space was also monitored. Readings in the holes varied from 100-200 ppm in benzene equivalent; and in headspace from captured liquids, 200-550 ppm benzene equivalent.

Summary

Contaminants present in samples from the spray irrigation area (Stations 05,06) consisted primarily of solvents and unknowns.

The landfarm area (Stations 07,08) contained polynuclear aromatics, alkanes and unknowns.

The truck area sump (Station 11) showed polynuclear aromatics, aromatic solvents, alkanes, substituted benzenes, and unknowns.

The evaporation ponds (Stations 12A,12B,13A,13B) showed phenols, polynuclear aromatics, aromatic and non-aromatic solvents, alkanes and unknowns.

The sump east of the evaporation ponds (Station 14) showed polynuclear aromatics, pentachlorophenol, and unknowns.

Samples from the landfill (Stations 15,16) contained polynuclear aromatics, solvents, alkanes, substituted benzenes, unknowns, and metals.

API pond samples (Stations 23,24,25) showed phenols, polynuclear aromatics, solvents, alkanes, unknowns, substituted benzenes and metals.

EPA samples of the API separator showed substituted naphthalenes and creosols in addition to the previously noted compounds.

The pond north of the API pond (Station 26) showed polynuclear aromatics, unknowns and metals.

All samples collected from the Hammond Ditch (Stations 01-04) showed contamination. Station 02 showed the highest contamination (unknowns and polynuclear aromatics). Off-site migration is well documented by the alkanes in Station 04, the down stream sample.

Stations 09, 10, 17 and 20 all show some contamination coming from the site however levels are much lower than those in leachates and the terrace stain (Stations 18 and 19). The Station 18 sample is also different in that it contains lower molecular weight components more characteristic of refined products.

Of the 3 wells sampled, Well #4 (Station 27) shows heavy contamination with alkanes. Well #1 (Station 29) is clear of organics.

Samples collected from the river, (Stations 21 and 22) show little if any contamination from the site. Present in both sediment samples, upstream and downstream, are 1,1,1-trichloro and 1,1,2,2-tetrachloroethane. The source of this contamination is unknown.

Since the site is underlain at depth by the impermeable Nacimiento Shale Formation, the most probable scenario has any spilled materials percolating vertically, than following contours of the shale/cobble bed interface northward toward the bluff. The interface reportedly tilts downward gently toward the San Juan River. Motion of the leachate beneath the plant is manifested in seepage and springs emitting from the bluff precisely at the interface. Additional hydrologic impetus likely is given also to the leachates by mounding of any percolated liquids under the refinery. While the cobble bed is highly permeable it still restricts flow, resulting in mounding.

Based on information presented in this report, it is evident that groundwater beneath the plant and groundwater below the river terrace are contaminated with organics and hydrocarbons derived from refinery operations. Further FIT activity at the site would be necessary only to further quantify volumes and delineate probable patterns of groundwater migration.

Data on existing Plateau Inc. wells and physical measurements of water samples are shown at Tables 1 and 2 respectively. Results of all FIT sampling have undergone QA/QC and are summarized in this report at Attachment B. Results of sampling by EPA personnel are at Attachment C. Chain-of-Custody documentation for this effort is also attached.

TABLE 1

Plateau Inc. Refinery
Bloomfield, NM

Data on existing Plateau, Inc. wells:

<u>Plateau Well No.</u>	<u>Depth</u>	<u>Static Water Level</u>	<u>Location</u>
1	24.9'	16.8'	North of evaporation ponds.
2	27.6'	18.8'	West of evaporation ponds.
3*	—	—	East St. tanks, near Sullivan Road.
4	35.3'	24.9'	Between plant and Sullivan Road, near offices.
5	55.0'	? 2.6'	Spray irrigation area.
6	55.0'	dry	South of truck terminal.

All measurements from top of well casing.

All wells: 6" steel casing.

* Lock frozen; well not sounded.

Plateau Inc. Refinery
Bloomfield, NM

Physical Measurements of Water Samples:

<u>Station #</u>	<u>Temperature (°C)</u>	<u>Conductivity (umhos)</u>	<u>pH</u>
1	10.5	1600	6.9
2	11.5	2450	6.8
3	16	600	6.5
4	9.5	380	6.5
9	13	4300	7.5
10	10	1900	6.9
11	18	1150	7.3
12B	—	—	8
13A	—	—	6
14	15	4900	7.6
17	18	3100	7.1
21	16	190	7.2
22	16	180	7.9
23	—	—	9
24	—	—	9
25	—	—	9-10
26	11	2200	7.7
27	—	—	6-7
28	13	3900	7.2
29	11	2900	7.1

ATTACHMENT A

Plateau Inc. Refinery
Bloomfield, NM

Sampling Stations:

1. Hammond Ditch, approximately one half mile upstream from refinery (W,S)
2. Hammond Ditch, south bank adjacent to west corner of API Separator pond (W,S).
3. Hammond Ditch, south bank, adjacent to west corner of freshwater ponds (W,S).
4. Hammond Ditch, approximately one half mile downstream from refinery.
5. Spray irrigation area, 85 feet east of northwest corner, in ditch along north edge (S).
6. Spray irrigation area, 125 feet west of northeast corner, in ditch along north edge (S).
7. Landfarm, west end; vertical composite of soil, 2-4 feet (S).
8. Landfarm, east end; vertical composite of soil, 1-3 feet (S).
9. Tamerisk area, flat region east of landfarm (W,S).
10. Arroyo #1, below east side of evaporation pond, at head of spring (W,S).
11. Transportation terminal sump, northwest corner (W,S).
12. South evaporation pond:
 - A. Middle of south bank (S)
 - B. West end (W,S)
13. North evaporation pond:
 - A. Southeast corner, 25 feet west of influent pipe (W,S)
 - B. Southwest corner (S)
14. Pond, north of landfarm area and east of evaporation ponds (W,S).
15. Landfarm, sludge on south side, approximately 50 feet southwest of auger hole at Station 08 (S).
16. Landfarm, sludge on east side, approximately 20 feet north of auger hole at Station 08 (S).
17. Seepage area, below overflow/stormwater runoff pond (W,S).
18. Seepage area on face of bluff, at top of talus slope on river terrace (W,S).

19. River terrace area, stain along western edge (S).
20. Arroyo #2, leading to west side of river terrace, directly north of east freshwater pond (S).
21. San Juan River, south bank, approximately 1/2 mile upstream from refinery (W,S).
22. San Juan River, south bank, approximately 50 feet upstream from New Mexico Hwy 44 bridge (W,S).
23. South API separator pond (W,S).
24. Northeast API separator pond (W,S).
25. Northwest API separator pond (W,S).
26. Small pond north of API separator, north of Hammond Ditch (W,S).
27. Plateau Well #4, adjacent to Sullivan Road, in open gravel parking area near office/entrance (W).
28. Plateau Well #5, in center of spray irrigation area (W).
29. Plateau Well #1, in storage area north of evaporation ponds (W).

NOTE: W = water samples
S = soil samples

ATTACHMENT B

Plateau Inc. Refinery
Bloomfield, NM
Summary of Sample Data

These samples (Stations 01-29) were taken by FIT.

NOTE: As an example to clarify this summary, unknowns (19-55,640 ppb) indicates that 19 unknowns were detected at a total concentration of 55,640 ppb.

Station 01: Hammond Ditch, upstream

Water

Organics: none
Inorganics: none

Soil

Organics: di-n-octyl phthalate (2300 ppb), alkanes (2-1020 ppb),
unknowns (19-55,640 ppb)
Inorganics: none

Station 02: Hammond Ditch, below API separator pond.

Water

Organics: Substituted benzenes (3-245 ppb), unknowns (20-1487 ppb)
Inorganics: none

Soil

Organics: Polynuclear aromatic hydrocarbons (4-18,810 ppb),
unknowns (21-268,300 ppb)
Inorganics: none

Station 03: Hammond Ditch, below freshwater pond.

Water

Organics: xylene (7.3 ppb)
Inorganics: none

Soil

Organics: alkanes (3-1245 ppb)
Inorganics: none

Station 04: Hammond Ditch, downstream

Water

Organics: none
Inorganics: none

Soil

Organics: alkanes (11-45,000 ppb), unknowns (11-49,900 ppb)
Inorganics: none

Station 05: Spray irrigation areaSoil

Organics: Di-n-octyl phthalate (440 ppb), toluene (1100 ppb),
heptanol (690 ppb), unknowns (3-1140 ppb)
Inorganics: none

EPTox: none

Station 06: Spray irrigation areaSoil

Organics: Toluene (1700 ppb), unknowns (2-1770 ppb)
Inorganics: none

EPTox none

Station 07: Landfarm, west endSoil

Organics: unknowns (9-6220 ppb)
Inorganics: none

EPTox none

Station 08: Landfarm, east endSoil

Organics: Polynuclear aromatic hydrocarbons (6-4370 ppb), alkanes
(20-467,043 ppb), unknowns (9-131,049 ppb), o-decyl
hydroxyl amine (22,000 ppb)

Inorganics: Chromium (69.5 ppm), zinc (73 ppm).

EPTox none

Station 09: Tamerisk AreaWater

Organics: none
Inorganics: none

Soil

Organics: unknowns (4-12,620 ppb)
Inorganics: none

Station 10: Arroyo #1, below evaporation pondsWater

Organics: none
 Inorganics: iron (46.5 ppm), manganese (17.1 ppm)

Soil

Organics: toluene (920 ppb), alkanes (2-29,700 ppb), unknowns (7-31,500 ppb)
 Inorganics: manganese (922 ppm)

Station 11: Transportation terminal sumpWater

Organics: Aromatic solvents (4-169 ppb), other aromatics (5-3150 ppb), alkanes (25-37,130 ppb), 1,2-dichloro propane (8 ppb)
 Inorganics: none

Soil

Organics: Polynuclear aromatic hydrocarbons (3-146,000 ppb), aromatic solvents (2-25,300 ppb), vinyl acetate (2400 ppb), methyl cyclohexane (14,000 ppb), substituted benzenes (3-131,000 ppb), unknowns (15-8,210,000 ppb)
 Inorganics: Cadmium (2.2 ppm)

High Concentration Oil:

Organics: Polynuclear-aromatic hydrocarbons (5-810,000 ppb), alkanes (18-75,830,000 ppb)
 Inorganics: chromium (40 ppm), cadmium (1.3 ppm)

Station 12A: South evaporation pondSoil

Organics: Phenols (4-12,850 ppb), polynuclear aromatics (5-3410 ppb), aromatic solvents (4-13,380 ppb), other solvents (4-2,340 ppb), alkanes (8-11,415 ppb), unknowns (22-69,396 ppb), aniline (present)
 Inorganics: chromium (347 ppm), copper (50 ppm), zinc (146 ppm)

EPTcx: - Reactive, sulfide (285 ppm)

Station 12B South evaporation pondWater

Organics: Phenols (4-20,840 ppb), toluene (450 ppb), 2-methyl propane (12 ppb)
 Inorganics: none

Soil

Organics: Phenols (4-4120 ppb), polynuclear aromatics (2-present), aromatic solvents (3-210 ppb), other solvents (3-741 ppb), alkanes (5-121 ppb), unknowns (11-8195 ppb), aniline (present)
 Inorganics: none

EPTox

none

Station 13A North evaporation pondWater

Organics: none
 Inorganics: none

Soil

Organics: 4-methyl phenol (1300 ppb), 2-methyl naphthalene (present), alkanes (7-223 ppb), unknowns (12-7510 ppb)
 Inorganics: none

EPTox

Reactive, sulfide (362 ppm)

Station 13B North evaporation pondSoil

Organics: 4-methyl phenol (660 ppb), 2-methyl naphthalene (present), acetone (126 ppb), xylenes (46 ppb), hexadecanoic acid (770 ppb), alkanes (8-310 ppb), unknowns (14-5147 ppb)
 Inorganics: none

EPTox

none

Station 14 Pond, north of LandfarmWater

Organics: Pentachlorophenol (56 ppb), fluoranthene (32 ppb), phenanthrene/anthracene (38 ppb), unknowns (7-180 ppb)
 Inorganics: none

Soil

Organics: unknown (1-870 ppb avg)
 Inorganics: Manganese (580 ppm), iron (poor duplicate agreement-29,550 & 3,690 ppm)

EPTox

Reactive, sulfide (238 ppm)

Station 15 Landfarm, sludge on south sideHigh Concentration

Organics: Chrysene, 2-methyl naphthalene, N-nitroso diphenyl amine, xylenes and diethyl phthalate all present, acetone (32,000 ppb), alkanes (26-4,381,200 ppb), unknowns (4-389,000 ppb)

Inorganics: Aluminum (30,000 ppm), chromium (1760 ppm), barium (600 ppm), copper (200 ppm), iron (16,800 ppm), zinc (12,000 ppm), arsenic (12 ppm), cadmium (1.1 ppm), lead (42 ppm).

Station 16 Landfarm, sludge on east sideHigh Concentration

Organics: Xylenes (260,000 ppb), vinyl acetate (54,000 ppb), polynuclear aromatics (3-present), acetone, toluene and ethyl benzene present, alkanes (29-15,486,000 ppb), unknown (1-154,000 ppb), substituted benzene (1-510,000 ppb)

Inorganics: Aluminum (14,800 ppm), chromium (1,880 ppm), barium (400 ppm), copper (200 ppm), iron (13,200 ppm), zinc (1,480 ppm), arsenic (12 ppm), cadmium (1.3 ppm), lead (44 ppm-triplicate analysis)

Station 17 Seepage area, below runoff pondWater

Organics: none

Inorganics: Aluminum (32.4 ppm), manganese (51 ppm)

Soil

Organics: Alkanes (2-14,700 ppb), unknowns (9-10,900 ppb)

Inorganics: Cobalt (12.5 ppm), manganese (4,580 ppm)

Station 18 Seepage area, leachate spring on face of bluff.Water

Organics: Aromatic solvents (4-1,961,000 ppb), polynuclear aromatics (3-11,200 ppb), alkanes (14-960,800 ppb), unknowns (8-451,600 ppb), substituted benzenes (11-2,612,000), substituted naphthalene (present)

Inorganics: Manganese (7.19 ppm)

Soil

Organics: Polynuclear aromatics (4-87,000 ppb), aromatic solvents (4-579 ppb), alkanes (19-756,714 ppb), unknowns (9-339,070 ppb), substituted benzenes (7-343,469 ppb), substituted naphthalene (210,000 ppb)

Inorganics: Manganese (347 ppm)

High Concentration

Organics: Polynuclear aromatics (5-2,710,000 ppb), aromatic solvents (4-29,300,000 ppb), other solvents (3-1,310,000 ppb), N-nitrosodiphenylamine (76 ppb), alkanes (14-18,241,000 ppb), unknowns (3-2,179,000 ppb), substituted benzenes (10-19,352,000 ppb)

Inorganics: Chromium (80 ppm)

Station 19 River terrace, stain on western edgeSoil

Organics: Polynuclear aromatics (3-480,000 ppb), alkanes (7-1,370,00 ppb), unknowns (5-1,060,000 ppb), substituted benzenes (7-997,000 ppb), substituted naphthalenes (3-550,000 ppb)

Inorganics: none

Station 20 Arroyo #2, west side of river terraceHigh Concentration

Organics: Acetone, naphthalene, toluene, 2-hexanone and di-n-butyl phthalate all present

Inorganics: Aluminum (37,200 ppm), chromium (160 ppm), barium (400 ppm), iron (15,000 ppm), lead (29 ppm)

Station 21 San Juan River, upstreamWater

Organics: Unknowns (6-522 ppb)

Inorganics: none

Soil

Organics: 1,1,2-trichloroethane (430 ppb), 1,1,2,2-tetrachloroethane (820 ppb), unknown (7700 ppb)

Inorganics: none

Station 22 San Juan River, downstreamWater

Organics: unknown (26 ppb)

Inorganics: none

Soil

Organics: 1,1,2-trichloroethane (610 ppb), 1,1,2,2-tetrachloroethane (950 ppb), di-n-octyl phthalate (680 ppb), unknowns (3-2460 ppb)

Inorganics: none

Station 23 South API separator pondWater

Organics: Phenols (4-9620 ppb), polynuclear aromatics (5-860 ppb), aromatic solvents (4-12,800 ppb), aniline (220 ppb), substituted benzenes (5-8730 ppb), unknowns (4-1890 ppb), others (4-1460 ppb)

Inorganics: none

High Concentration

Organics: Polynuclear aromatics (4), aromatic solvents (4-384,000 ppb), other solvents (2-160,000 ppb), alkanes (25-4,347,000 ppb), substituted benzenes (2-358,000 ppb), unknown (92,000 ppb)

Inorganics: Chromium (240 ppm), zinc (160 ppm), lead (91 ppm)

EPTox

Reactive, sulfide (410 ppm)

Station 24 Northeast API separator pondWater

Organics: Phenols (4-13,700 ppb), aromatic solvents (4-5430 ppb), other solvents (3-4840 ppb), 1,1-dichloroethane (7.3 ppb), substituted benzenes (2-3390 ppb), alkanes (7-2207 ppb), other (82 ppb), 3-ethyl phenols (200 ppb).

Inorganics: none

High Concentration

Organics: xylenes, toluene, acetone, 2-hexanone all present,

Inorganics: aluminum (27,600 ppm), chromium (160 ppm), barium (400 ppm), zinc (80 ppm), lead (17 ppm)

EPTox

Reactive, sulfide (158 ppm)

Station 25 Northwest API separator pondWater

Organics: Phenols (4-20,120 ppb), aromatic solvents (4-15,520 ppb), aniline (440 ppb), 2-methyl naphthalene present, other solvents (3-2948 ppb), alkanes (9-4333 ppb), substituted benzene (1-3299 ppb), unknown (1-5100 ppb).

Inorganics: none

Station 26 Small pond north of API separator and Hammond DitchWater

Organics: Alkanes and unknowns (2-85 ppb)

Inorganics: none

Soil

Organics: Polynuclear aromatics (12 below detection limits), phenanthrene (950 ppb), unknowns (23-42,140 ppb)

Inorganics: Copper (107 ppm), manganese (322 ppm), zinc (228 ppm), lead (28 ppm)

Station 27 Plateau Well #4Water

Organics: Aromatic solvents (3-19,000 ppb), 2-methyl naphthalene (70 ppb), naphthalene (200 ppb), substituted benzenes (7-99,850 ppb), alkanes (23-233,938 ppb), unknowns (12-26,935 ppb), organic acids (2-320 ppb)

Inorganics: Aluminum (31.8 ppm), iron (57.7 ppm), manganese (7.62 ppm)

Station 28 Plateau Well #5Water

Organics: Ethyl benzene (31 ppb), xylene (6 ppb), alkanes (4-37ppb)

Inorganics: Aluminum (76 ppm), iron (70.6 ppm)

Station 29 Plateau Well #1Water

Organics: none

Inorganics: aluminum (11.6 ppm), iron (20.9 ppm)

Polynuclear aromatic hydrocarbons include naphthalene, fluorene, phenanthrene, anthracene, 2-methyl naphthalene, fluoranthene, benzo(a) anthracene, pyrene, benzo (b) fluoranthene, benzo (k) fluoranthene, acenaphthene, chrysene, benzo (ghi) perylene, dibenzofuran and ideno (1,2,3-cd) pyrene.

Aromatic solvents include benzene, toluene, ethyl benzene and xylenes.

Phenols include phenol, 4-methyl phenol, 2-methyl phenol, and 2,4-dimethyl phenol.

Other solvents include acetone, carbon disulfide, vinyl acetate, 2-hexanone and 2-butanone.

Metals are listed if sample concentration appears to be elevated in comparison to other samples in the same matrix (soil, water).

ATTACHMENT C

Plateau Inc. Refinery
Bloomfield, NM
Summary of Sample Data

These samples (Stations 001-008) were taken by U.S. EPA, Region VI. EPTox includes testing for ignitibility, corrosivity and reactivity.

Stations 001 API Separator effluent

Water

Organics: Polynuclear aromatics (6-1968 ppb), aromatic solvents (4-11,700 ppb), phenols (3-1350 ppb), total phenols (10,800 ppb), aniline (380 ppb), diethyl phthalate (74 ppb), substituted benzenes (2-1330 ppb), substituted naphthalenes (2-1942 ppb), creosols (2-1280 ppb)

Inorganics: none

EPTox

None

Station 002 API Separator influent

Water

Organics: Aromatic solvents (4-9180 ppb), polynuclear aromatics (7-1670 ppb), phenols (3-870 ppb), total phenols (2930 ppb), aniline (80 ppb), diethylphthalate (210 ppb), substituted benzenes (2-2070 ppb), substituted naphthalenes (2-1440 ppb), creosols (2-560 ppb)

Inorganics: None

Oil

Organics: Aromatic solvents (4-82,700,000 ppb), polynuclear aromatics (3-6,800,000 ppb), chlorobenzene (2,800,000 ppb), 1,1,1-trichloroethane (1,700,000 ppb), methylene chloride (6,700,000 ppb), total phenols (23,300 ppb), diethyl phthalate (2,000,000 ppb), alkanes (5-117,000,000 ppb), substituted benzenes (5-29,800,000 ppb), substituted naphthalenes (10-38,779,000 ppb, 12 below detection limit)

Inorganics: None

EPTox

Ignitable (flash point 24°C).

Station 003: API Separator sludge, east end

Oil/Sludge

Organics: Aromatic solvents (4-4,730,000 ppb), polynuclear aromatics (3-140,000 ppb), total phenols (82,800 ppb), diethyl phthalate (150,000 ppb), alkanes (15-17,000,000 ppb), substituted benzenes (3-790,000 ppb, 2 below detection limit), substituted naphthalenes (2-450,000 ppb, 17 below detection limit)

Inorganics: Chromium (883 ppm), copper (875 ppm), nickel (83 ppm), zinc (1370 ppm), arsenic (36.8 ppm), lead (372 ppm)

EPTox:

Reactive, sulfide (4300 ppm).

Station 004 API Separator sludge, west end.

Oil/Sludge

Organics: Aromatic solvents (4-6,890,000 ppb), poly nuclear aromatics (5-140,000 ppb, 4 of 5 below detection limit), diethyl phthalate (150,000 ppb), 1,1,1-trichloroethane (8,400 ppb), alkanes (15-23,210,000 ppb), substituted benzenes (4-775,000 ppb, 1 below detection limit), substituted naphthalenes (6-975,000 ppb, 14 below detection limit)

Inorganics: Chromium (502 ppm), copper (967 ppm), nickel (83.4 ppm), zinc (946 ppm), arsenic (34.5 ppm), cadmium (4.1 ppm), lead (425 ppm)

EPTox Reactive, sulfide (3000 ppb)

Station 005 Spent Caustic

EPTOX caustic (pH 12.8)
reactive, sulfide (16,800 ppm)

Station 006 Drum in north boneyard.

Oil

Organics: Aromatic solvents (4-12,880 ppb), chlorobenzene (340 ppb), 1,1,1-trichloroethane (1,800 ppb), bis(2-ethyl hexyl) phthalate (1,600,000 ppb), diethyl phthalate (140,000 ppb), total phenols (12,500 ppb), others (3-1,980,000 ppb)

Inorganics: None

EPTox None

Station 007 Drum in north bone yard

Oil

Organics: Aromatic solvents (4-17,370 ppb), chlorobenzene (720 ppb), 1,1,1-trichloroethane (2600 ppb), methylene chloride (4300 ppb), diethyl phthalate (270,000 ppb), phenanthrene present, total phenols (4,140 ppb)

Inorganics: None

EPTox None

Station 003 Drum in north boneyard.

Oil/Sludge

Organics: Aromatic solvents (4-31,450 ppb), chlorobenzene (3100 ppb), methylene chloride (900 ppb), naphthalene, diethyl phthalate and phenanthrene present, total phenols (5,600 ppb), alkanes (7-119,500 ppb), substituted naphthalenes (2-570,000 ppb, 17 below detection limit)

Inorganics: chromium (57.1 ppm), zinc (270 ppm), arsenic (2.5 ppm)

EPTox None

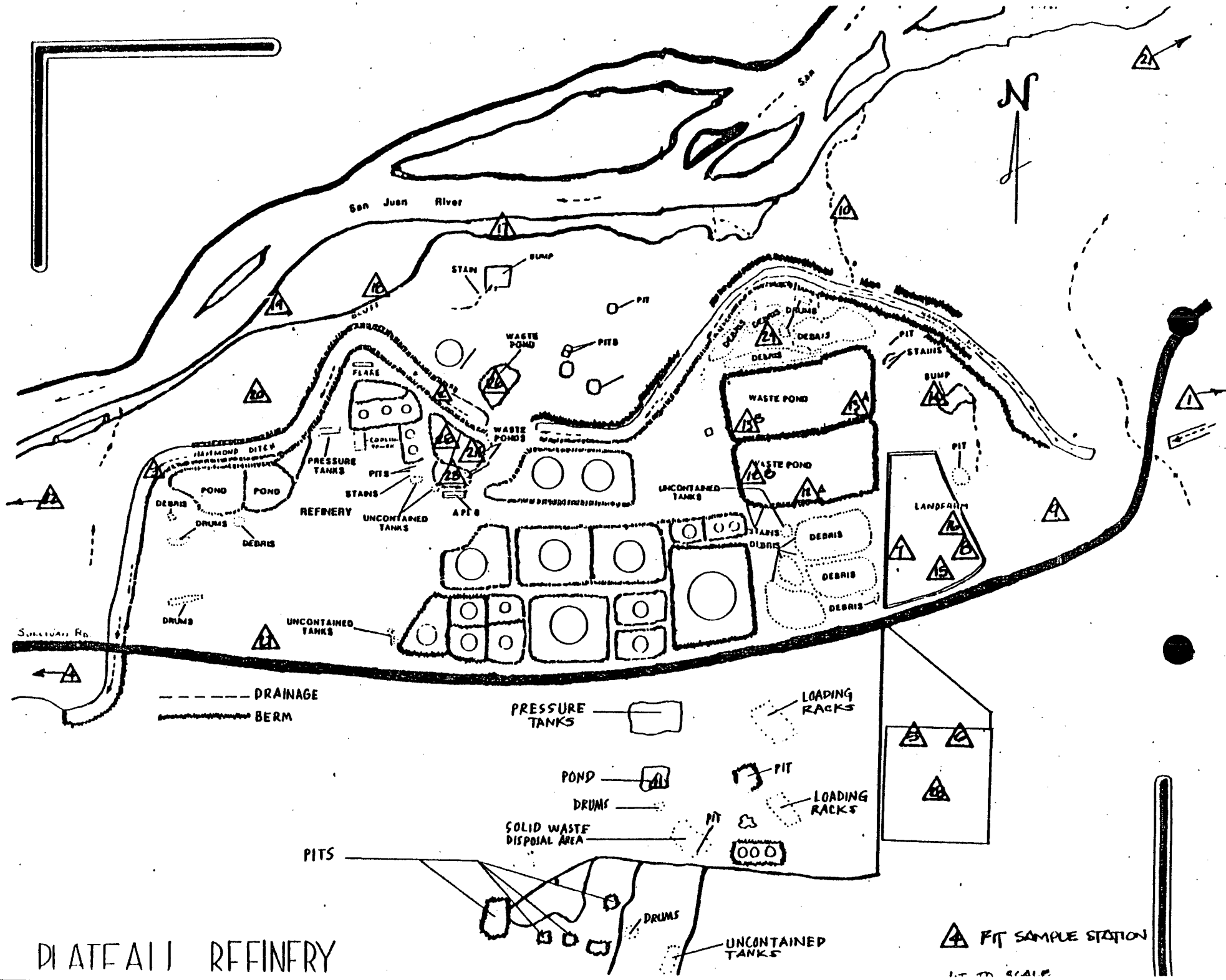
Transportation Yard drum (assumed Station 009)

Oil

Organics: Aromatic solvents (4-144,130,000 ppb), chlorobenzene (620,000 ppb), alkanes (2-48,700 ppb), substituted benzene (1-90,000,000 ppb).

Inorganics: Not analyzed

EPTox None



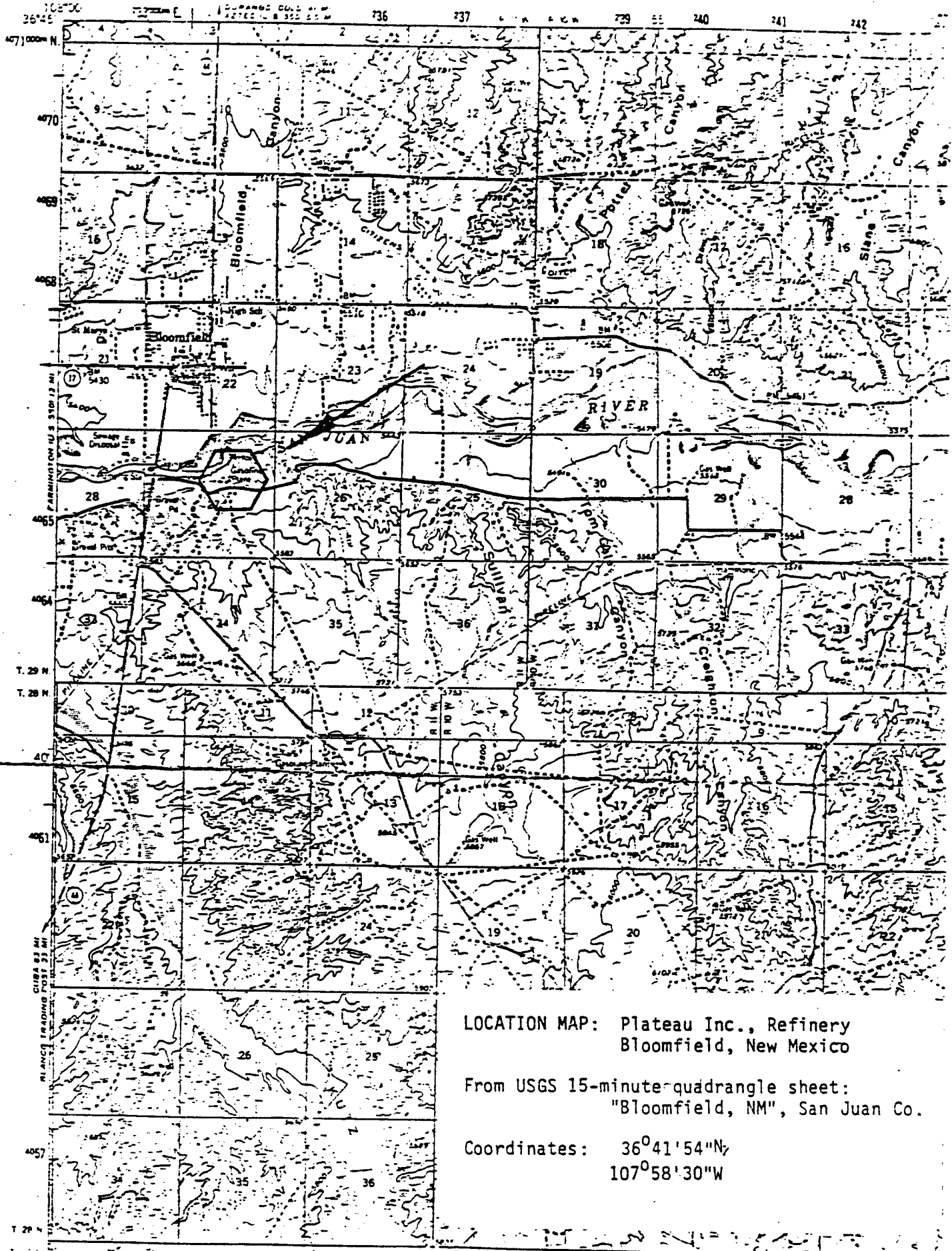
DIATEAL REFINERY

▲ PIT SAMPLE STATION

1:1000 SCALE

4871 151 151
17 1000 120 000

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATION MAP: Plateau Inc., Refinery
Bloomfield, New Mexico

From USGS 15-minute quadrangle sheet:
"Bloomfield, NM", San Juan Co.

Coordinates: 36°41'54"N
107°58'30"W

CASE NUMBER: 2573

SITE NAME/CODE: Plateau Refinery
NM 1686

EP TOXICITY

CONCENTRATIONS (ppm)

PARAMETER	EPA Sample Numbers										Ambient Background 1.	
	AR 409	AR 410	AR 411	AR 412	AR 413	AR 414	AR 415	AR 416	AR 417	AR 418	Western U.S. 2.	Eastern U.S. 2.
Matrix Type	Soil	Soil	Soil	Soil	Soil	Two Phase	Sludge/SED	Sludge/SED	Sludge/SED	Sludge/SED	Soil	Soil
Aluminum											54,000	33,000
Chromium			0.024	0.077							38	36
Barium	0.584	1.16	0.967	1.42	0.797		1.55	1.45	1.23	1.57	560	300
Beryllium											0.6	0.6
Cobalt											8	7
Copper											21	14
Iron											20,000	15,000
Nickel											16	13
Manganese											390	290
Zinc											51	36
Boron											22	32
Vanadium											66	46
Silver											<50	-
Arsenic											6.1	5.4
Antimony											<150	-
Selenium											0.25	0.39
Thallium											-	-
Mercury											0.055	0.096
pH						4.2*	9.1	8.7	7.9	7.1	<10	<10
Cadmium											<1	<1
Lead											18	14
FLASH POINT											-	-
Cyanide	1.13			0.94							-	-
Sulfide											-	-
Station No.	05	06	07	08	14	238	410	24	65.7	362	-	-
Sample Station Location	85'E. OF NW CORNER SPRAY IRRIGATION	135' N. OF NE CORNER SPRAY IRRIGATION	WESTERN LANDFARM 2-4'	EAST END LANDFARM 1-3' DEPTH	SUMP EAST EVAPORATION POND	TRANSPORTATION YARD DRUMS (NOT ANALYZED)	SOUTH A.P.I. POND	NE A.P.I. POND	S.W. CORNER N.EVAPORATION POND	S.E. CORNER N.EVAPORATION POND	-	-

1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geochemistry of Some Rocks, Soils, Plant and Vegetation in the Conterminous United States" Geological Survey Professional Paper

Reference for East/West Division is the 97' W longitudinal line which bisects Region VI.
- Concentration corrected for lab blank concentration

*Aqueous Phase

CASE NUMBER: _____
 SITE NAME/ CODE: _____

PARAMETER	CONCENTRATIONS (ppm)										Ambient Background 1.	
	AR 419	AR 420	AR 401	AR 402	AR 403	AR 404	AR 405	AR 406	AR 407	AR 408	Western U.S. Soil	Eastern U.S. Soil
Matrix type	SLUDGE/SEPARATORS	SLUDGE/SEPARATORS	SEPARATORS	OIL	DRUM SLUDGE	DRUM SLUDGE	ARVRES	CLT	CLT	CLT/SARGE	54,000	33,000
Aluminum						0.125					38	36
Chromium						2.97					560	300
Barium	0.991	1.18	0.415	2.18	2.02	0.482	0.06		1.39		0.6	0.6
Beryllium											8	7
Cobalt											21	14
Copper											20,000	15,000
Iron											16	13
Nickel											390	290
Manganese											51	36
Zinc											22	32
Boron											66	46
Vanadium											<50	-
Silver											6.1	5.4
Arsenic											<150	-
Antimony											0.25	0.39
Selenium						0.437	0.249				-	-
Thallium											0.055	0.096
Mercury											<10	<10
AH	7.9	7.9	8.8	7.4*	9.5	8.9	12.8	6.4*	6.7*	7.8	<1	<1
Cadmium											18	14
Lead						0.033					-	-
ELASH POINT				24°C	>71°C	>71°C		>71°C	>71°C		-	-
Cyanide		1.3									-	-
Sulfide		285	10	43	4300	3.000	16.800	47	41	65	-	-
Station No.	12B	12A	001	002	003	004	005	006	007	008	-	-
Sample Station Location	W.END S.EVAPORATION POND	MIDDLE S-BANK S-POND	API SEPARATOR EFFLUENT	API SEPARATOR INFLUENT	API SEPARATOR SLUDGE EAST END	API SEPARATOR SLUDGE WEST END	SPENT CAUSTIC BONEYARD	DRUM IN NORTH BONEYARD	DRUM IN NORTH BONEYARD	DRUM IN NORTH BONEYARD	1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geochemistry of Some Rocks, Soils, Plant and Vegetables in the Conterminous United States" Geological Survey Professional Paper	

Reference for East/West Division is the 97° W longitudinal line which bisects Region VI.
 - Concentration corrected for lab blank concentration

*Aqueous phase

CASE NUMBER: 2573

SITE NAME/ CODE: Plateau Refinery NM 1686

SAMPLES COLLECTED BY EPA

CONCENTRATIONS (ppm)

PARAMETER	EPA Sample Numbers										Ambient Background 1.		
	AR 401	AR 402	AR 402	AR 402	AR 403	AR 404	AR 406	AR 407	AR 408			Western U.S. 2.	Eastern U.S. 2.
Matrix Type	Water	Water	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Soil	Soil
Aluminum					883	502			57.1			54,000	33,000
Chromium								3.4				38	36
Barium		2.18										560	300
Beryllium												0.6	0.6
Cobalt												8	7
Copper					875	967			26.2			21	14
Iron					83	83.4			13.1			20,000	15,000
Nickel	0.021				1370	946			270			16	13
Manganese												390	290
Zinc	0.0305											51	36
Boron												22	32
Vanadium												66	46
Silver												<.50	-
Arsenic					36.8	34.5			2.5			6.1	5.4
Antimony												<150	-
Selenium												0.25	0.39
Thallium												-	-
Mercury					*	*						0.055	0.096
Tin												<10	<10
Cadmium						4.1						<1	<1
Lead					372	425			17.8			18	14
Ammonia												-	-
Cyanide												-	-
Sulfide												-	-
Station No.	10	001	002	002	003	004	006	007	008				
Sample Station Location	SEPARATOR EFFLUENT INFLUENT	SEPARATOR INFLUENT	SEPARATOR INFLUENT	SEPARATOR SLUDGE EAST END	SEPARATOR SLUDGE WEST END	API SEPARATOR SLUDGE WEST END	DRUM IN NORTH BONEYARD	DRUM IN NORTH BONEYARD	DRUM IN NORTH BONEYARD				

1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geochemistry of Some Rocks, Soils, Plant and Vegetation in the Conterminous United States" Geological Survey Professional Paper

Reference for East/West Division is the 97' W longitudinal line which bisects Region VI.
 - Concentration corrected for lab blank concentration
 * Not analyzed

TABLE 1. INORGANIC ANALYSIS SUMMARY

CASE NUMBER:

SITE NAME/CODE: Plateau Refinery (NM 1686)

CONCENTRATIONS (ppm)

PARAMETER	EPA Sample Numbers										Ambient Background I.	
	MF 1130	MF 1131	MF 1132	MF 1136	MF 1143	MF 1144	MF 1145	MF 1148	MF 1153	MF 1155	Western U.S. 2. Soil	Eastern U.S. 2. Soil
Matrix Type	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Soil	Soil
Aluminum	1	4.2	2.6	0.8	1	3.6	0.8	0.8	0.8	0.6	54,000	33,000
Chromium	0.4	0.1	0.3	0.04							38	36
Barium						0.4					560	300
Beryllium											0.6	0.6
Cobalt											8	7
Copper											21	14
Iron	1.05	3.85	0.6	0.1	0.65	46.5	0.1	0.1	0.5	20,000	15,000	
Nickel										16	13	
Manganese	0.165	1.62	2.04	0.015	0.27	17.1	0.165	0.06	0.03	390	290	
Zinc		0.01		0.1		0.01				51	36	
Boron										22	32	
Vanadium										66	46	
Silver										< 5.0	-	
Arsenic						0.041				6.1	5.4	
Antimony										< 150	-	
Selenium	0.003	0.006		0.002	0.013	0.005	0.006	0.003		0.25	0.39	
Thallium										-	-	
Mercury										0.055	0.096	
Tin										< 10	< 10	
Cadmium										< 1	< 1	
Lead										18	14	
Ammonia										-	-	
Cyanide										-	-	
Sulfide										-	-	
Station No.	04	01	02	03	09	10	14	21	22			
Sample Station Location	HAMMOND DITCH OFF-SITE DOWN-STREAM	HAMMOND DITCH UPSTREAM	S.BANK HAMMOND DITCH ADJACENT TO APL	S.BANK HAMMOND DITCH ADJACENT TO W. FRESHWATER POND	TAMERISK AREA E.OF LAUNDFILL	ARROYO BELOW E.SIDE EVAPORATION POND	MID-SUMP E.OF EVAPORATION POND	APPROX. 1/2 MILE UPSTREAM AT S. BANK	50 FT. UPSTREAM FROM HWY 44 ON S.BANK			

Reference for East/West Division is the 97" W longitudinal line which bisects Region VI.

- Concentration corrected for lab blank concentration

1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geo-chemistry of Some Rocks, Soils, Plant and Vegetation in the Conterminous United States" Geological Survey Professional Paper

TABLE I. INORGANIC ANALYSIS SUMMARY

CASE NUMBER:

SITE NAME/ CODE: Plateau Refinery (NM 1686)

CONCENTRATIONS (ppm)

PARAMETER	EPA Sample Numbers										Ambient Background I.	
	A,B MF 1152	MF 1158	MF 1163	MF 1162	MF 1164	MF 1165	MF 1166	MF 1167	MF 1168	MF 1169	Western U.S. 2.	Eastern U.S. 2.
Matrix Type	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Soil	Soil
Aluminum	2	32.4		1	31.8	0.8	76	0.8	0.6	0.4	54,000	33,000
Chromium		0.01		0.02	0.04		0.04				38	36
Barium		0.2		0.6	1.8	0.2	0.3	0.2	0.2		560	300
Beryllium											0.6	0.6
Cobalt		0.05									8	7
Copper			0.05		0.05		0.1				21	14
Iron	1.55	4.37 C	NDB	5.95 C	57.7 C	1.1 C	70.6 C	0.9 C	0.65 C	0.4 C	20,000	15,000
Nickel				0.04			0.04				16	13
Manganese	0.18	51		7.19	7.62	0.15	0.915	0.21	0.15	0.645	390	290
Zinc	0.09	0.08	0.28	0.03	0.18	0.04	0.12	0.03	0.03		51	36
Boron											22	32
Vanadium											66	46
Silver											<.50	-
Arsenic		0.022	0.028	0.049	0.018				0.011		6.1	5.4
Antimony											<150	-
Selenium		0.004	0.002	0.002		0.005	0.002	0.002	0.003	0.003	0.25	0.39
Thallium												
Mercury								0.0005	0.001		0.055	0.096
Tin	NDB	NDB	NDB	0.03C	NDB	NDB	NDB	NDB	NDB	NDB	<10	<10
Cadmium	0.0091										<1	<1
Lead	0.035	0.006		0.031	0.042		0.02				18	14
Ammonia												
Cyanide												
Sulfide												
Station No.	11	QA 17	BLANK	18	27	23	28	25	24	26	1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geochemistry of Some Rocks, Soils, Plant and Vegetables in the Conterminous United States" Geological Survey Professional Paper	
Sample Station Location	Truck area sump NW corner	QA Dupli-cate	Field Blank	Leachate Spring 25' BELOW DISCHARGE POINT	Plateau Monitor Well #4	South API Pond	Spray IRRIGATION AREA PLATEAU WELL #5	NW API Pond	NE API Pond	Pond N. of API POND		

2. Reference for East/West Division is the 97° W longitudinal line which bisects Region VI.
 C - Concentration corrected for lab blank concentration

CASE NUMBER: _____
 SITE NAME/CODE: Plateau Refinery

CONCENTRATIONS (ppm)

PARAMETER	EPA Sample Numbers						Ambient Background 1.	
	MF 1172	MF 1174	MF 1177	MF 1178	EPA Sample Numbers		Western U.S. 2.	Eastern U.S. 3.
Matrix Type	Water	Water	Water	Water			Soil	Soil
Aluminum	0.6	0.4	1.6	0.01			54,000	31,000
Chromium							38	36
Barium	0.2	0.2	0.2				560	300
Beryllium							0.6	0.6
Cobalt			0.1				8	7
Copper							21	14
Iron	0.75 C	1.2 C	20.9 C				20,000	15,000
Nickel			0.08		NDB		16	13
Manganese	0.255	0.135	1.38				390	290
Zinc	0.01	0.03	0.06	0.02			51	36
Boron							22	32
Vanadium							66	46
Silver							<.50	-
Arsenic	0.023	0.012					6.1	5.4
Antimony							<150	-
Selenium	0.003	0.004	0.003	0.003	0.003		0.25	0.39
Thallium							-	-
Mercury	0.0002	0.0004		0.0003			0.055	0.096
Tin	NDB	NDB	NDB	NDB			<10	<10
Cadmium			0.003				<1	<1
Lead							18	14
Ammonia							-	-
Cyanide							-	-
Sulfide							-	-
Station No.	13A	12B	29	Blank				
Sample Station Location	SE Corner of N Evap. pond	W End of S Evap. pond	Plateau Well #1	Field Blank				

1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geochemistry of Some Rocks, Soils, Plant and Vegetables in the Conterminous United States" Geological Survey Professional Paper

2. Reference for East/West Division is the 97° W longitudinal line which bisects Region VI.
 C - Concentration corrected for lab blank concentration

TABLE I. INORGANIC ANALYSIS SUMMARY

CASE NUMBER:

SITE NAME/ CODE: Plateau Refinery (NM 1686)

CONCENTRATIONS (ppm)

PARAMETER	EPA Sample Numbers											Ambient Background I.	
	MF 1134	MF 1135	MF 1138	MF 1139	MF 1140	MF 1141	MF 1142	MF 1146	MF 1147	MF 1149	Western U.S. 2.	Eastern U.S. 2.	
Matrix Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Aluminum	6820	5640	5820	9000	8400	6120	5600	4970	2620	2140	54,000	33,000	
Chromium	4	14.5	5	9.5	7.5	21	69.5	4.5	2	2	38	36	
Barium	160	130	130	145	235	175	140	85	50	40	560	300	
Beryllium	0.5	0.25	0.25	0.5	0.5	0.25	5	2.5	2.5	2.5	0.6	0.6	
Cobalt	2.5	2.5	2.5	5	5	7.5	15	7.5	2.5	2.5	8	7	
Copper	10	10	7.5	10	10	7.5	15	4	2.5	2.5	21	14	
Iron	7770	6770	6990	9600	11300	7820	8690	4720	3820	295500	20,000	15,000	
Nickel	6	6	6	8	8	6	6	4	4	2	16	13	
Manganese	172	157	168	156	188	196	214	237	922	580	390	290	
Zinc	24.5	32	24	33	33.5	32.5	73	19.5	12	9	51	36	
Boron											22	32	
Vanadium				10	20	10	10				66	46	
Silver											<5.0	-	
Arsenic	1.1	1.4	1	2	2.2	2.6	2.1	1.3	1.1	0.7	6.1	5.4	
Antimony											<150	-	
Selenium											0.25	0.39	
Thallium											-	-	
Mercury					0.6						0.055	0.096	
Tin	NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB	<10	<10	
Cadmium	0.09	0.08	0.08	0.12	0.19	0.11	0.16	0.17	0.1		<1	<1	
Lead	6	6.5	5	3.6	4.4	4	4.7	5.5	2.7	1.6	18	14	
Ammonia											-	-	
Cyanide											-	-	
Sulfide											-	-	
Station No.	01	02	03	05	06	07	08	09	10	14			
Sample Station Location	HAMMOND DITCH UPSTREAM	S.BANK HAMMOND DITCH ADJACENT TO W. CORNER OF API	S.BANK HAMMOND DITCH ADJACENT TO W. CORNER OF FRESHWATER POND	85'E. OF N.W. CORNER OF SPRAY IRRIGATION AREA	125' W. OF N.E. CORNER OF SPRAY IRRIGATION AREA	WEST END OF LANDFARM 2-4 FT.	EAST SIDE OF LANDFARM 1-3 FT.	TAMERISK AREA E. OF LANDFILL	ARROYO BELOW E. SIDE OF EVAPORATION POND	MIDSUMP E. OF EVAPORATION POND			

2. Reference for East/West Division is the 97" W longitudinal line which bisects Region VI.
 C - Concentration corrected for lab blank concentration

1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geochemistry of Some Rocks, Soils, Plant and Vegetables in the Conterminous United States" Geological Survey Professional Paper

TABLE I. INORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573

SITE NAME/CODE: PLATEAU REFINERY

PARAMETER	CONCENTRATIONS (ppm)										Ambient Background 1.	
	EPA Sample Numbers										Western U.S. 2.	Eastern U.S. 2.
Matrix Type	MF1150	MF1151	MF1154	MF1156	MF1157	MF1159	MF1160	MF1161	MF1170	MF1171	Soil	Soil
Aluminum	2990	4820	2780	3690	7800	4620	4780	2060	1140	3530	54,000	33,000
Chromium	2.5	9	3	4	8	2.5	3	1.5	1.5	19.5	38	36
Barium	60	165	90	130	195	30	60	15	45	125	560	300
Beryllium				0.25	0.25	0.25					0.6	0
Cobalt		2.5		2.5	2.5	12.5					8	7
Copper	2.5	17.5	2.5	5	7.5	5	5		107	17.5	21	16
Iron	3690C	6140	3990	5470	9480	5860	5380	2980	5340	5530	20,000	15,000
Nickel	2	6	2	6	6	4		2		6	16	13
Manganese	432	154	123	159	144	4580	135	347	322	84	390	290
Zinc	12	69	12.5	18	30.5	17	18	11	228	39.5	51	36
Boron											22	32
Vanadium					10						66	66
Silver											<50	-
Arsenic	0.7	0.9	0.6	0.6	1.8		0.9	3.9	5	1.5	6.1	5.4
Antimony											<150	-
Selenium			0.2				0.1			0.54	0.25	0.39
Thallium												
Mercury												
Tin	NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB	0.055	0.096
Cadmium		2.2			0.11				0.15	0.1	<10	<10
Lead	2.1	2.3	2.7	2.8	4.2	1.9	3.8	4.4	28	5.7	<1	<1
Ammonia												
Cyanide												
Sulfide												
Station No.	14	11	21	22	06	17	19	18	26	13B		
Sample Station Location	Mid sump E of evap pond QA dupl.	Truck area sump NW corner	Approx. 1/2 mile up-stream at S. Bank	50' UP-STREAM FROM HWY 44 ON S. BANK	125' W. OF ME. CORNER OF SPRAY TARRIG. (DUPL.)	Seep below tower overflow pond	STAINED TERFACE W. OF LEACHATE SPRING	LEACHATE SPRING 25' BELOW DISCHARGE POINT	Pond N. of API pond	SW corner of N. evap. pond	1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Green chemistry of Some Rocks, Soils, Plant and Vegetables in the Conterminous United States" Geological Survey Professional Paper	

2. Reference for East/West Division is the 97° W longitudinal line which bisects Region VI.
 C - Concentration corrected for lab blank concentration

TABLE I. INORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573

SITE NAME/CODE: PLATEAU REFINERY

NM 1686

CONCENTRATIONS (ppm)

PARAMETER	EPA Sample Numbers										Ambient Background 1.	
	MF1173	MF1175	MF1176	MF1133							Western U.S. 2.	Eastern U.S. 2.
Matrix Type	Soil	Soil	Soil	Soil							Soil	Soil
Aluminum	2630	4790	3980	5080							54,000	33,000
Chromium	22.5	8	347	4							38	36
Barium	100	95	150	110							560	300
Beryllium											0.6	0.5
Cobalt		2.5									8	7
Copper	15	10	50	5							21	14
Iron	3520	5770	5730	6090							20,000	15,000
Nickel	4	4	8	4							16	13
Manganese	54.8	125	160	167							390	290
Zinc	31.5	22	146	23							51	36
Boron											22	32
Vanadium											66	46
Silver											<.50	-
Arsenic	1	1	2.5	0.9							6.1	5.4
Antimony											<150	-
Selenium	0.23	0.1	0.17	0.1							0.25	0.39
Thallium											-	-
Mercury	0.1		0.2								0.055	0.096
Tin	NDB	NDB	NDB	NDB							<10	<10
Cadmium	0.05	0.3	0.5	0.07							<1	<1
Lead	3.8	6.2	13	3.8							18	11
Ammonia											-	-
Cyanide											-	-
Sulfide											-	-
Station No.	13A	12B	12A	04							-	-
Sample Station Location	SE corner of N. evap. pond	W. end of S. evap. pond	Middle of S. Bank of S. evap. pond	Hammond ditch downstream off site								

1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Chemistry of Some Rocks, Soils, Plant and Vegetables in the Conterminous United States" Geological Survey Professional Paper

2. Reference for East/Heat Division is the 97° W longitudinal line which bisects Region VI.

C - Concentration corrected for lab blank concentration

TABLE I. INORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573 SAS 1006F

SITE NAME/CODE: PLATEAU REFINERY

NM168 6

PARAMETER	CONCENTRATIONS (ppm)											Ambient Background I.	
	MF5115	MF5116	MF5116	MF5116T	MF5117	MF5118	MF5119	MF5120	MF5121	Western U.S. 2. Soil	Eastern U.S. 2. Soil	Western U.S. 2.	Eastern U.S. 2.
Matrix Type	Sludge	Sludge	Sludge	Sludge	Oil	Sludge	Oil	Sludge	Sludge				
Aluminum	30,000	14,800	14,000	15,600	400	37,200		27,600	3,600	54,000		33,000	
Chromium	1,760	1,880	1,920	2,120	40	160	80	160	240	38		36	
Barium	600	400	400	400		400		400		560		300	
Beryllium										0.6		0	
Cobalt										8		7	
Copper	200	200	200	400						21		14	
Iron	16,800	13,200	12,200	13,400	600	15,000		9,000	5,200	20,000		15,000	
Nickel										16		13	
Manganese	240	180	180	300		180		180	120	390		290	
Zinc	12,000	1,480	1,480	1,640				80	160	51		36	
Boron										22		32	
Vanadium										66		46	
Silver										<.50		-	
Arsenic	12	12	13	13				5		6.1		5.4	
Antimony										<150		-	
Selenium										0.25		0.39	
Thallium										-		-	
Mercury			0.3							0.055		0.096	
Tin										<10		<10	
Cadmium	1.1	1.3	1.5	1.2	1.3					<1		<1	
Lead	42	44	46	53	9	29		17	91	18		14	
Ammonia										-		-	
Cyanide										-		-	
Sulfide										-		-	
Station No.	15	16	16	16	11	20	18	24	23	-	-	-	-
Sample Station Location	50' SW of Boring #8 of LAND-FILL	20' N OF BORING #8 S. side of LAND-FILL	Duplicate	Triplate	Truck area SW NE CORNER	ARROYO N. OF FRESH WATER POND	LEACHATE SPAIN 25' BE-LOW DISCHARGE	NE API pond	South API pond	I. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Ge chemistry of Some Rocks, Soils, Plant and Vegetation in the Conterminous United States" Geological Survey Professional Paper			

2. Reference for East/West Division is the 97' W longitudinal line which bisects Region VI.

C - Concentration corrected for lab blank concentration

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573

SITE NAME/CODE: Plateau Refinery

NM 1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

PARAMETERS

Compound	Fraction	Class	F3447	F3449	F 3450	F 3451	F 3452	F 3453	F 3454	F 3455
Bis(2-ethylhexyl) phthalate	ABN	1	LI							
Methylene Chloride	VOA	1	38	NDB		2.7	NDB	5.5 NDB	NDB	33
Undecane, 2,6 - Dimethyl	ABN	3	2900							
Alkane	ABN	3	5300							16000
Heptadecane, Tetramethyl	ABN	3	5300							
Alkane Derivative	ABN	3	2500							
Heptadecane tetramethyl	ABN	3	5100							32000
Octadecane	ABN	3	3200	530						30000
Alkane	ABN	3	4000							
Alkane	ABN	3	1700							
Hexadecane	ABN	3	2200							
Alkane	ABN	3	9300							
Unknown	ABN	3	1700	610	7100		510	770	1300	43000
Unknown	ABN	3	15000	410	7800		300	1000	1200	26000
Unknown	ABN	3	2200	810	4000		330		720	46000
Octadecane	ABN	3	4000							35000
Unknown	ABN	3	13000	2900	5500				480	
Unknown	ABN	3	3700	710	17000				380	
Unknown	ABN	3	2300	2400	10000				420	
Eicosane	ABN	3	4800							31000
Unknown	ABN	3	4500	1700	8200				400	16000
Unknown	ABN	3	2900	1200	15000				540	
Unknown	ABN	3	2300	2300			440*			
Di-n-octyl phthalate	ABN	3								
1,2,4 - Trithiolane	ABN	3		700						
Pentadecane, Tetramethyl	ABN	3		490		620				
Unknown	ABN	3		450	6100				280	
Matrix Type			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Station Number			04	01	02	03	05	06	07	08
Sample Station Location			Down stream HAMMOND DITCH	Up stream HAMMOND DITCH	S. Bank Hammond DITCH	S. Bank Hammond DITCH	85ft. NE corner IRRIG. AREA	125 ft. W. of N.E. corner IRRIG. AREA	West end Landfill	East side Landfill

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.
 *Duplicate analysis did not detect this

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LI () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)
 † values on this sample should be multiplied by 1.37 dry weight factor.

CASE NUMBER: 2573

SITE NAME/CODE: Plateau Refinery

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

Compound	PARAMETERS			CONCENTRATIONS (ppb)												
	Fraction	Class		F 3449	F 3450	F 3451	F 3452	F 3453	F 3458	F 3447						
Unknown	ABN	3		2100	15000					1500						
Unknown	ABN	3		3300	8200					1300						
Unknown	ABN	3		3900	17000											
Unknown	ABN	3		8900	14000											
Unknown	ABN	3		5900	17000											
Unknown	ABN	3		6400	24000											
Unknown	ABN	3		3800	14000											
Unknown	ABN	3		9000	18000											
Napthalene	ABN	1			4100											
Fluorene	ABN	1			510											
Phenanthrene/anthracene	ABN	1			1200				1000							
2 methyl naphthalene	ABN	2			13000				1200							
Toluene	VOA	1			LT				1100							
Heptadien-5-yne, Dimethyl	ABN	3			9400											
Unknown	ABN	3		450	18000											
Unknown	ABN	3			20000											
Unknown	ABN	3			13000											
Fluorotrichloromethane	VOA	1				NDB			NDB							
Xylene	VOA	2				LT										
Alkane	ABN	3				620										
Heptanol	ABN	3														
Fluoranthene	ABN	1														
Benzo (a) anthracene	ABN	1														
Chrysene	ABN	1														
Pyrene	ABN	1														
Cyclohexane Methyl	VOA	3														
	Matrix Type			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Station Number			01	02	03	05	06	08	04						
	Sample Station Location															

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573

SITE NAME/CODE: Plateau Refinery
NM 1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

PARAMETERS		CONCENTRATIONS (ppb) EPA SAMPLE NUMBERS										
Compound	Fraction	GL 1000	F-3444	F-3445	F-3446	F-3440	F-3456	F-3457	F-3450	F-3461	F-3464	F-3466
Methylene Chloride	VOA	1			11							
Xylene	VOA	2			11	7.3						
Unknown	ABN	3			7.9						55	26
Unknown	ABN	3			74						70	
Unknown	ABN	3			57						34	
Unknown	ABN	3			48						26	
Benzene ethyl dimethyl	ABN	3			120						100	
Unknown	ABN	3			78							
Benzene ethyl dimethyl	ABN	3			72							
Benzene ethyl dimethyl	ABN	3			53							
Unknown	ABN	3			160						69	
Unknown	ABN	3			61						26	
Unknown	ABN	3			95						22	
Unknown	ABN	3			210						12	
Unknown	ABN	3			77							
Unknown	ABN	3			76							
Unknown	ABN	3			66							
Unknown	ABN	3			60							
Unknown	ABN	3			41							
Unknown	ABN	3			100							
Unknown	ABN	3			52							
Unknown	ABN	3			78							
Unknown	ABN	3			70							
Pentachloropheno	ABN	1										
Fluoranthene	ABN	1										
Phenanthrene/anthracene	ABN	1										
	Matrix Type											
	Sample Station Number		04	01	02	03	Blank	09	10	14	21	22
	Sample Station Location		Down-stream HAMMOND DITCH	Up-stream HAMMOND DITCH	S. Bank HAMMOND DITCH	S. Bank HAMMOND DITCH	Field Blank	Tamerisk Arroyo area	Arroyo below E-SIDE EVAP. POND	Sump E. of Evap POND	1/2 mile upstream ON SOUTH BANK	Water 50 ft. upstream

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573

SITE NAME/ CODE: Plateau Refinery

NM 1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

Compound	Fraction	Glass	PARAMETERS																	
			F 3461	F 3463	F 3472	F 3476	F 3478	EPA SAMPLE NUMBERS												
Pyrene	ABN	1	26																	
Benzene Dimethyl	ABN	3	13				32,000	98,000												
2-Methylnaphthalene	ABN	2		560 LT			4600	70*												
Benzene	VOA	1		10			21,000	9,000												
1, 2 dichloropropane	VOA	1		8																
Ethylbenzene	VOA	1		14			280,000	LT												
Methylene chloride	VOA	1		20																
toluene	VOA	1		61			560,000													
Xylene	VOA	2		84			1,100,000	10,000												
cyclohexane methyl	VOA	3		12			150,000	23,000												
Hexane 3 methyl	VOA	3		7																
3 Heptane 2, 3 - Dimethyl (E) or isomer	VOA	3		14																
Cyclohexane dimethyl	VOA	3		8			61,000	20,000												
Cyclohexane trimethyl	VOA	3		13																
Heptane, 2 methyl	VOA	3		6																
Benzene Dimethyl	VOA	3		130																
Undecane or isomer	ABN	3		1600																
Alkane	ABN	3		920																
Alkane	ABN	3		1400																
Naphthalene 2 methyl or isomer	ABN	3		1000																
Heptadecane tetramethyl	ABN	3		820																
Alkane	ABN	3		2600																
Naphthalene Dimethyl	ABN	3		820																
Alkane or Derivative	ABN	3		1500																
Naphthalene Dimethyl	ABN	3		1200																
Alkane	ABN	3		2600																
	Matrix Type		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
	Sample Station Number		10	11	17	18	18	27	18	27	18	27	18	27	18	27	18	27	18	27
	Sample Station Location		Truck area	Truck area	See be-LOW OVERFLOW POND	See be-LOW OVERFLOW POND	Leachate	Leachate	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor	Plateau monitor

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDU - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit
 P - Present in sample (tentatively identified compound)

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573

SITE NAME/ CODE: Plateau Refinery

NM 1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

PARAMETERS

Compound	Fraction	Class	F 3476	F 3477	F 3478	F 3446	F 3463			
Benzene ethyl methyl	ABN	3	17,000							
Benzene trimethyl	ABN	3	7,000							
Benzene trimethyl	ABN	3	22,000							
Benzene trimethyl	ABN	3	4,800							
Benzene methyl propyl	ABN	3	4,800							
Unknown	ABN	3	8,600	19						
Benzene ethyl dimethyl	ABN	3	2,400							
Undecane	ABN	3	7,200							
Unknown	ABN	3	7,000	32						
Dodecane	ABN	3	32,000							
Undecane Dimethyl	ABN	3	6,600							
Tridecane	ABN	3	7,000							
Tetradecane	ABN	3	4,000							
Pentachlorophenol	ABN	1		LT	LT*					
Unknown	ABN	3	37,000	47		38				
Unknown	ABN	3		94		38				
Alkane or alkyl derivative	ABN	3		98			550			
Unknown	ABN	3	26,000	45						
Alkane	ABN	3		92				780		
Alkane or alkyl derivative	ABN	3		64						
Unknown	ABN	3		67						
Butane 2 methyl	VOA	3			14,000					
Pentane	VOA	3			12,000					
Cyclohexane	VOA	3			18,000					
Cyclo Pentane Methyl	VOA	3			7,100					
Octanol Dimethyl	VOA	3			18,000					
Matrix Type			Water	Water	Water	Water	Water	Water		
Sample Station Number			18	Blank	27	02	11			
Sample Station Location				Field Blank	Plateau monitor well #4					

(cont.)

(cont.)

(cont.)

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.
 *Reanalysis of sample did not show this compound.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573

SITE NAME/CODE: Plateau Refinery

NM1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

PARAMETERS		CONCENTRATIONS (ppb)									
Compound	Fraction	Glue	F 3470	F 3476							
Cyclopentane Ethyl Methyl	VOL	3	31,000	F 3476							
Cycloheptatriene or isomer	ABN	3	110	8800							
Octane	ABN	3	60								
Octane 2 Methyl	ABN	3	92								
Benzene Dimethyl	ABN	3	610								
Unknown	ABN	3	220								
Nonane	ABN	3	220								
Cyclohexane propyl	ABN	3	100								
Octane Dimethyl	ABN	3	140								
Nonane Methyl	ABN	3	170								
Unknown	ABN	3	270								
Benzene Trimethyl	ABN	3	150								
Unknown	ABN	3	130								
Unknown	ABN	3	78								
Unknown	ABN	3	200								
Alkane	ABN	3	280								
Alkene or Benzene derivative	ABN	3	250								
Alkene or Benzene derivative	ABN	3	570								
Cyclohexane butyl	ABN	3	86								
Unknown	ABN	3	180								
Alkene or Benzene derivative	ABN	3	120								
Unknown	ABN	3	240								
Benzene Methyl Propyl	ABN	3	150								
Unknown	ABN	3	340								
Unknown	ABN	3	69								
Unknown	ABN	3	120								
Matrix Type			Water	Water							
Sample Station Number			27	18							
Sample Station Location											

(cont.) (cont.)

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: 2573 SAS 1006 F
 SITE NAME/CODE: Plateau Refinery
 NM 1686

CONCENTRATIONS (ppb)
 EPA SAMPLE NUMBERS

PARAMETERS

Compound	Fraction	Class	F 3479	F 3480	F 3481	F 3482	F 3483	F 3486	F 3488	F 3491	F 3492
2,4-dimethylphenol	ADN	1	820		520	300			840		
Phenol	ADN	1	3,600		11,000	7,200			8,800		
2-methylphenol	ADN	2	2,200		3,000	2,200			4,400		
4-methylphenol	ADN	2	3,000		5,600	4,000			6,800		
Acenaphthene	ADN	1	20K								
Naphthalene	ADN	1	420								
Fluorene	ADN	1	22								
Phenanthrene	ADN	1	38								
Aniline	ADN	2	220		440						
2-methylnaphthalene	ADN	2	380		800K						
Benzene	VOA	1	2,800		1,700	2,600					
1,1-dichloroethane	VOA	1				7.3					
1,2-dichloroethane	VOA	1	1,000K		420	330					
Chloroform	VOA	1			5K	5K					
Acetone	VOA	2			2,600	2,300					
2-Butanone	VOA	2			290	240					
Carbonyl sulfide	VOA	2			53	140					
Toluene	VOA	1	7,600		11,000	1,000					
Total xylenes	VOA	2	2,400	6	2,400	1,500					
Benzene, 1,3-dimethyl	VOA	3	7,500	9.8	3,299	2,500					
Butane, 2-methyl	VOA	3			84	80					
Cyclopropane, 1,1-dimethyl	VOA	3				59					
Boric acid (HBO ₂) cyclohexylester	VOA	3				82					
Cyclohexane	VOA	3		14	150	120					
Cyclopentane, methyl	VOA	3		6.3	150	130					
Cyclohexane, methyl	VOA	3		6.9	390	339					
Matrix Type			Water	Water	Water	Water	Water	Water	Water	Water	Water
Sample Station Number			23	28	25	24	26	13A	12B	29	
Sample Station Location			South API Pond	Spray Irriga-AREA WELLS	N. W. API pond	N. E. API Pond	Pond N. of API POND S	S. E. Corner of S. E. POND	W. end of S. E. POND	Plateau well #1 N. OF EVAP. POND	Field Blank

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: 2573 SAS 1006E
 SITE NAME/CODE: Plateau Refinery
 NM 1686

Compound	Fraction	Class	CONCENTRATIONS (ppb)														
			F 3479	F 3480	F 3481	F 3482	F 3483	F 3486	F 3488	F 3491	F 3492	EPA SAMPLE NUMBERS					
Ethylbenzene	VOA	3		31													
Oxetane, 2, 3, 4-trimethyl	VOA	3			76	80											
1, 5-Hexadiene-3-yne	VOA	3			1,799	1,399											
Isooctane (Ethenyloxy)	VOA	3			93												
2-Propanol, 2-methyl	VOA	3													12		
Octane	VOA	3			91												
Unknown	VOA	3			5,100												
Benzene, methyl	ABN	3															
1, 3, 5-cycloheptatriene	ABN	3		300													
Ethylbenzene (see volatile FRAC)	ABN	3		640													
Benzene, 1, 3-dimethyl (see volatile FRAC)	ABN	3		300													
Benzene, 1-ethyl-2-methyl	ABN	3		1,280													
Benzene, 1, 2, 4-trimethyl	ABN	3		310													
Pyridine, 4-methyl	ABN	3		580													
Benzene, 1, 2, 3-trimethyl	ABN	3		200													
Benzene, 1-ethenyl-2-methyl	ABN	3		190													
Benzenamine, 4-methyl	ABN	3		150													
2-methylnaphthalene (see ABN/FRAC)	ABN	3		330													
Phosphoric acid, diethylpentyl (isomers 1 & 2)	ABN	3		170													
Toluene (see volatile fraction)	ABN	3		290													
Phenol, 3-ethyl	ABN	3															
Cyclopropane, pentyl	ABN	3															
Unknown	ABN	3															
Unknown	ABN	3															
Unknown	ABN	3															
Matrix Type																	
Sample Station Number																	
Sample Station Location																	

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or Lt () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: EPA Lab (Houston)

SITE NAME/CODE: Plateau Refinery

SAMPLES COLLECTED BY EPA

CONCENTRATIONS (PPM)

Compound	Fraction	Class	PARAMETERS										EPA SAMPLE NUMBERS	
			AR 0402	AR 0403	AR 0404	AR 0406	AR 0407	AR 0408	AR 0414	Blank	Blank			
Benzene	VOA	1	1,100	290	460	0.5	0.54	0.85	530					
Chlorobenzene	VOA	1	2,800			0.34	0.72	3.1	620					
1,1,1-Trichloroethane	VOA	1	1,700		8.4	1.8	2.6							
Ethylbenzene	VOA	1	6,600	340	530	0.38	0.73	2.5	17,000					
Dichloromethane	VOA	1	6,700				4.3	0.9						
Toluene	VOA	1	18,000	1,500	1,400	2.6	3.9	6.5	4,600					
napthalene	ABN	1	5,000	140	140			<140						
Bis(2-ethylhexyl) phthalate	ABN	1				1,600								
Diethyl phthalate	ABN	1	2,000	150	150	140	270	<140				<4		
Benzo(a)anthracene	ABN	1			<75							<2		
Fluorene	ABN	1	<980	<130	<75									
Phenanthrene	ABN	1	1,800	<130	<75		<160	<140						
Pyrene	ABN	1			<75									
Total Phenols (TMAP)	ABN	1	23.3	82.8	<3.4	12.5	4.14	5.6						
m-xylene	VOA	3	34,000	1,600	2,700	4.7	6.0	11.7	66,000					
o/p-xylene	VOA	3	23,000	1,000	1,800	4.7	6.2	9.9	56,000					
Pentane	VOA	3		430	560									
Cyclobutane, 2-methyl	VOA	3		710				13.8						
Cyclohexane, methyl-	VOA	3	23,000	3,200	5,000			37.2						
Cyclopentane, methyl	VOA	3		780	920			8.3						
Butane, 2-methyl	VOA	3			550									
Propylbenzene	VOA	3							90,000					
Hexane, 3-methyl-	VOA	3	15,000	2,500	1,900									
Hexane, 2-methyl-	VOA	3		440	1,200			7.7						
Butane, 2,3-dimethyl-	VOA	3		160										
Cyclohexane	VOA	3												
Matrix Type			Oil	Sludge	Sludge	Oil	Oil	Oil	Sludge	Water				
Sample Station Number			002	003	004	006	007	008	008	Blank				
Sample Station Location			separa- FOR ANALY- ENT	separa- FOR SLUDGE E-END	separa- FOR SLUDGE W-END	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	Trans- porta- Tion YARD	Blank			

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LL () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: EPA Lab (Houston)
 SITE NAME/ CODE: Plateau Refinery
 Samples collected by EPA

SAMPLES COLLECTED BY EPA

CONCENTRATIONS (ppb) ppm/ug/g
 EPA SAMPLE NUMBERS

Compound	Fraction	GLURE	PARAMETERS															
			AR0402 OIL	AR 0403	AR 0404	AR 0406	AR 0407	AR 0408	AR 0414									
2-Butanone, 3-methyl	VOA	3																
Cyclohexane, 1, 3-Dimethyl-	VOA	3	10,000	1,400	1,200					7.3								
Cyclohexane, 1, 4-Dimethyl	VOA	3	10,000	750	930					26.5								
Cyclohexane, ethyl	VOA	3		1,400	1,700													
Pentane, 2, 2, 4, 4-tetraMETHYL	VOA	3			270													
Heptane	VOA	3								18.7								
Benzene, 1-methylethyl	VOA	3		510														
Heptane, 3-methyl-	VOA	3	41,000	1,800	2,800													
Heptane, 2-methyl-	VOA	3	18,000	830	1100							12.5						
Hexane	VOA	3			1,500													
Hexane, 2, 3, 4-trimethyl	VOA	3		1,000														
Hexane, 2, 2-Dimethyl	VOA	3		400														
Octane, 2-methyl	VOA	3		1200														
Octane	VOA	3			2,600													
Substituted Hydrocarbon	VOA	3																
Toluene(see volatile fraction)	ABN	3	7,900	<130	110													
Methylnaphthalene	ABN	3	6,100	180	200					210								
Ethylbenzene(see volatile F&Ac)	ABN	3	3,500	<130	<75													
Xylene (isomers 1)	ABN	3	17,000	270	320													
Xylene (isomer 2)	ABN	3	5,700	<130	120													
C2 substituted Naphthalene	ABN	3	<980	<130	<75					<140								
C2 substituted Naphthalene	ABN	3	<980	<130	<75					<140								
C2 substituted Naphthalene	ABN	3	4,900	<130	140					<140								
C2 substituted Naphthalene	ABN	3	4,600	<130	120					<140								
C2 substituted Naphthalene	ABN	3	2,800	<130	80					<140								
C2 substituted Naphthalene	ABN	3	1,500	<130	75					<140								
Matrix Type			Oil	Sludge	Sludge	Sludge	Oil	Oil	Oil	Oil	Sludge	Sludge	Oil	Oil	Sludge			
Sample Station Number			002	003	004	006	007	008	008	008	004	004	006	007	008			
Sample Station Location			API separator INFLUENT	API separator SLUDGE EAST END	API separator SLUDGE WEST END	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	API separator SLUDGE WEST END	API separator SLUDGE WEST END	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	Trans- portation YARD DRUM		

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.
 NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: EPA Lab (Houston)
 SITE NAME/CODE: Plateau Refinery

SAMPLES COLLECTED BY EPA

CONCENTRATIONS (ppb) ppm ug/g
 EPA SAMPLE NUMBERS

PARAMETERS		CONCENTRATIONS (ppb) ppm ug/g									
Compound	Fraction	Class	AR 0402	AR 0403	AR 0404	AR 0406	AR 0407	AR 0408	AR 0414	Blank	
C ₂ Substituted Naphthalene (1,5aM7)	ABN	3	<980	<130	<75			<140			
C ₂ Substituted Naphthalene (1,5aM7)	ABN	3	<980	<130	<75			<140			
C ₂ Substituted Naphthalene (1,5aM7)	ADN	3	<980	<130	<75			<140			
C ₂ Substituted Naphthalene (1,5aM7)	ADN	3	<980	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM2)	ADN	3	<980	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM3)	ADN	3	<980	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM4)	ADN	3	<980	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM5)	ADN	3	<980	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM6)	ADN	3	1,700	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM7)	ADN	3	1,700	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM8)	ADN	3	990	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM9)	ADN	3	1,500	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM10)	ADN	3	<980	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM11)	ADN	3	<980	<130	<75			<140			
C ₃ Substituted Naphthalene (1,5aM12)	ADN	3	<980	<130	<75			<140			
Ethylmethyl benzene	ADN	3	10,300	290	230						
Trimethyl benzene (isomer 1)	ADN	3	3,600	190	125						
Trimethyl benzene (isomer 2)	ADN	3	10,900	310	320						
Trimethyl benzene (isomer 3)	ADN	3	2,200	<130	<75						
Trimethyl benzene (isomer 4)	ADN	3	2,800	<130	100						
2-methylnaphthalene	ADN	3	13,000	270	360			360			
2, 5-cyclohexadiene-1,4-DIONE 3,6-DIOL	ADN	3				210					
2, 6 bis(1,1-dimethylethyl)-1,2,4,5-TETRAZINE	ADN	3				670					
4,4'-(1 methylethylidene)BIS(2-PYRIDOL)	ADN	3				1,100					
Di-n-butyl phthalate	ADN	1								3	
Matrix Type			Oil	Sludge	Sludge	Oil	Oil	Oil	Sludge	Blank	
Sample Station Number			002	003	004	006	007	009	009	Blank	
Sample Station Location			separa- MENT	separa- TOR EAST END	API	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	Drum in north BONEYARD	Trans- portation YARD DATA	

- Priority Pollutant.
 - Specified Hazardous Substance.
 - Tentatively Identified.
- NDU - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LF () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

ASIS NUMBER: EPA Lab (Houston)
 ITH NAME/CODE: Plateau Refinery

SAMPLES COLLECTED BY EPA

CONCENTRATIONS (ppb)
 EPA SAMPLE NUMBERS

Compound	Fraction	Column	PARAMETERS					Lab Blank	CONCENTRATIONS (ppb)										
			AR 0401	AR 0402	AR 0403	AR 0404	AR 0405		AR 0406	AR 0407	AR 0408	AR 0409							
Benzene	VOA	1	2-200	2-200															
Dichloromethane	VOA	1																	
1,2-Dichloroethane	VOA	1	5-500	4-500															
Naphthalene	ABN	1	480	440															
Di-n-octylphthalate	ABN	1		<40															
Diethyl phthalate	ABN	1	74	210															
Benzo(a)anthracene	ABN	1		<80															
Fluorene	ABN	1	70	120															
Phenanthrene	ABN	1	280	160															
Pyrene	ABN	1	18	<20															
Total Phenols (4AMP)	ABN	1	10,800	2,930															
2, 4-Dimethylphenol	ABN	1	150	160															
Phenol	ABN	1	960	520															
m-Xylene	VOA	3	2000	1100															
p-Xylene	VOA	3	1,700	980															
o-Xylene	ABN	3	1,800	2,000															
Methylnaphthalene	ABN	3	420	360															
Ethylbenzene	ABN	3	300	400															
Xylene (isomers 1 & 2)	ABN	3	1,780	3,200															
C2 substituted Naphthalene	ABN	3	1,038	996															
C3 substituted Naphthalene	ABN	3	904	444															
Dimethylphenol	ABN	3	240	190															
methyl ethyl benzene	ABN	3	390	660															
Trimethylbenzene	ABN	3	940	1,410															
U-cresol	ABN	3	520	300															
P-cresol	ABN	3	760	260															
Matrix Type			Water	Water															
Sample Station Number			001	002															
Sample Station Location			API	API															

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: 2573

SITE NAME/ CODE: Plateau Refinery

NM 1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

Compound	Fraction	Q1/min	PARAMETERS															
			F 3459	F 3460	F 3465	F 3467	F 3471	F 3473	F 3474	F 3475								
Methylene Chloride	VOA	1	10	27	10	8	8											
Fluorotrichloromethane	VOA	1	4	8	4.2													
Unknown	ABN	3	740															
Unknown	ABN	3	10,000															
Unknown	ABN	3	680															
Unknown	ABN	3	1200															
3 Nonyne	ABN	3		1700														
Unknown	ABN	3		2100	7700	480												
Unknown	ABN	3		3200														
Unknown	ABN	3		6700														
Unknown	ABN	3		2,500														
Unknown	ABN	3		1400														
Docosane, 11 decyl	ABN	3		28,000														
Unknown	ABN	3		14,000		580												
Benzene Methyl	ABN	3		920														
Unknown	ABN	3		1600														
di-n-octyl phthalate	ABN	1			LT													
Ethane, 1, 1, 2-trichloro	ABN	3			430													
Ethane, 1, 1, 2, 2-tetrachloro	ABN	3			820													
Hexatriacontane	ABN	3																
Toluene or isomer	ABN	3																
Alkane	ABN	3																
Naphthalene	ABN	1																
Anthracene/phenanthrene	ABN	1																
2 methyl naphthalene	ABN	2																
Ethylbenzene	VOA	1																
	Matrix Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Station Number		09	10	21	22	22	06	06	17	19	18	18	18	18	18	18	18
	Sample Station Location		amerisk area	Arroyo below EVAPORATION POND.	1/2 mile upstream SITE 5. BANK	50 ft. FROM HWY 44	upstream of N.E. CORNER OF SPRAYERS	125 ft. SPRAYERS	see below	deep below LEACHATE OVERFLOW POND	terrace	terrace	terrace	terrace	terrace	terrace	terrace	terrace

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDL - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: 2573

SITE NAME/ CODE: Plateau Refinery

NM 1686

CONCENTRATIONS (ppb)

EPA SAMPLE NUMBERS

PARAMETERS

Compound	Fraction	Class	F 3474	F 3475								
Toluene	VOA	1	LT	160								
Xylene (or isomer)	VOA	2	LT	340								
Benzene Ethyl Dimethyl	ABN	3	150,000									
Benzene Ethyl Dimethyl	ABN	3	110,000									
Alkane or Derivative	ABN	3	170,000									
Benzene ethyl dimethyl or isomer	ABN	3	140,000									
Benzene ethyl dimethyl or isomer	ABN	3	150,000									
Unknown	ABN	3	150,000									
Benzene Diethyl	ABN	3	220,000									
Unknown	ABN	3	170,000									
Unknown	ABN	3	500,000	Unk.								
Benzene Ethyl Methyleneethyl or isomer	ABN	3	150,000									
Unknown	ABN	3	120,000	Unk.								
Naphthalene 2 methyl	ABN	3	250,000									
Octadecane	ABN	3	360,000									
Naphthalene Dimethyl	ABN	3	110,000									
Naphthalene Dimethyl	ABN	3	190,000									
Alkane or derivative	ABN	3	120,000									
Benzene dimethyl propyl	ABN	3	77,000									
Alkane or derivative	ABN	3	230,000									
Alkane	ABN	3	230,000									
Unknown	ABN	3	120,000									
Alkane	ABN	3	140,000									
Alkane	ABN	3	120,000									
Fluorene	ABN	3		LT 2870								
Benzene	VOA	1		15								
	Matrix Type		Soil	Soil								
	Sample Station Number		19	18								
	Sample Station Location											

1. Priority Pollutant. NDB - Concentration less than determined in Lab blank
 2. Specified Hazardous Substance. C - Concentration corrected for Lab blank concentration
 3. Tentatively Identified. K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: 2573

SITE NAME/CODE: Plateau Refinery

NM 1686

CONCENTRATIONS (ppb)

EPA SAMPLE NUMBERS

PARAMETERS

Compound	Practon	Class	F. 3475																
Cyclohexane	VOA	3	91																
Cyclopentane methyl	VOA	3	92																
Cyclopentane dimethyl	VOA	3	25																
Cyclohexane methyl	VOA	3	87																
Pentanol Methyl propyl	VOA	3	81																
Hexane 2 methyl	VOA	3	43																
Unknown	VOA	3	35																
Unknown	VOA	3	35																
Heptane 3 methyl	VOA	3	110																
Heptane 2 methyl	VOA	3	65																
Octane	VOA	3	120																
Benzene dimethyl	VOA	3	469																
Benzene dimethyl	ABN	3	64,000																
Benzene ethylmethyl	ABN	3	64,000																
Benzene Trimethyl	ABN	3	72,000																
Benzene trimethyl	ABN	3	43,000																
Benzene methyl propyl	ABN	3	46,000																
Benzene methyl, methylethyl	ABN	3	54,000																
Alkane or derivative	ABN	3	68,000																
Unknown	ABN	3	130,000																
Unknown	ABN	3	52,000																
Unknown	ABN	3	51,000																
Alkane or derivative	ABN	3	64,000																
Naphthalene derivative	ABN	3	210,000																
Unknown	ABN	3	72,000																
Alkane or derivative	ABN	3	34,000																
Matrix Type		Soil																	
Sample Station Number		18																	
Sample Station Location																			

1. Priority Pollutant, NDB - Concentration less than determined in lab blank
 2. Specified Hazardous Substance, C - Concentration corrected for lab blank concentration
 3. Tentatively Identified, K or LF () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: 1006F

SITE NAME/CODE: Plateau Refinery

NM 1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

Compound	PARAMETERS		CONCENTRATIONS (ppb)										
	Fraction	Class	F 3468	F 3469	F 3470	F 3484	F 3485	F 3487	F 3489	F 3490	Blank	Blank 1	
2,4-dimethylphenol	BNA	1							160K	850			
Phenol	BNA	1							2400	5600			
2-methylphenol	BNA	2							730	2400			
4-methylphenol	BNA	2					660	1300	990	4000			
Acenaphthene	BNA	1				200K							
Fluoranthene	BNA	1				570K							
Naphthalene	BNA	1			80,000K	110K			68K	920			
N-nitro sodiphenylamine	BNA	1				70C							
bis(2-ethylhexyl) phthalate	BNA	1		84K					520K	460K	2700K	46K	
di-n-butyl phthalate	BNA	1											
benzo(a) anthracene	BNA	1				210K				300K			
benzo(b) Fluoranthene	BNA	1				690K							
benzo(k) Fluoranthene	BNA	1				690K							
Chrysene	BNA	1				230K							
benzo(ghi) perylene	BNA	1				110K							
Fluorene	BNA	1			28,000K	170K				400K			
Phenanthrene	BNA	1				950				990			
Indeno (1,2,3,-cd) pyrene	BNA	1				150K							
Pyrene	BNA	1				390K				1500			
Aniline	BNA	2							170K	310K			
dibenzofuran	BNA	2				130K							
2-methylnaphthalene	BNA	2			146,000			54K	86K	70K			
benzene	VOA	1			2000 NDB								
ethylbenzene	VOA	1			3,300 C			9.6	3K	20	1500K		
methylene chloride	VOA	1	11 C	9C	2000 NDB	13 C		7.2 C	12C	9.4 C	3400	7.5	
Toluene	VOA	1			2000 NDB					103	5500		
	Matrix Type		Soil	Soil	Med/soil	Soil		Soil	Soil	Soil	Med/soil	low/soil	
	Sample Station Number		14	14	11	26		13B	13A	12B	12A	Blank	
	Sample Station Location		Sump E. of evaporation POND5	Sump E. of evaporation POND5	Truck area of SUMP	Pond N. of API POND5	S.W. corner of N.E.V.M.P. POND	S.E. corner of POND	S.E. corner of POND	W. end of POND	middle of BANK OF EVAP-POND	Blank 1	

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.
- NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LF () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: 1006F

SITE NAME/CODE: PLATEAU REFINERY

NM1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

PARAMETERS		CONCENTRATIONS (ppb)										
Compound	Fraction	Class	F3468	F3469	F3470	F3484	F3485	F3487	F3489	F3490	Blank	Blank 1
	Volatile		I20c	I20c	2,000/ND	96c	I26c		731c	950c	20,000	Blank 1
Acetone	"	2			2,000/ND						2,600	16
2-butanone	"	2			2,000/ND							
Carbon disulfide	"	2			1,000/ND		1.3	1	3.2	190		
2-hexanone	"	2	5 NDB				5 NDB	5 NDB	5 NDB	640c	12,000	5
4-methyl-2-pentanone	"	2										
Styrene	"	2										
Vinyl Acetate	"	2									1,100K	
Total Xylenes	"	2			2,400c				7.2	560	1,100K	
1,1,2-Trichlorotrifluoro ethane	Yoa	3			22,000c		46c	16c	87	6,900	2,900	1K
Methylcyclohexane	"	3			14,000		55	46	29	500		
Propylbenzene	"	3			29,000		53	35	19			
1,2,3-Trimethylbenzene	"	3			57,000				38			
1-ethyl-2-methylbenzene	"	3			45,000		22		17			
Cyclohexane	"	3					21	14	18			
Methylcyclopentane	"	3					15	21				
Dimethyldisulfide	"	3					50			288		
cis-1,3-dimethylcyclohexane	"	3					56	61		412		
Octane	"	3					38			323		
2-methylheptane	"	3						7.5				
2-methylpentane	"	3						38		219		
cis-1-ethyl-3-methyl-cyclopentane	"	3								373		
2-methyloctane	"	3										
Nonane	"	3					18	38				
Unknown (scan 420)	"	3								269		
Unknown (scan 498)	"	3								38		
Unknown (scan 515)	"	3										
Matrix Type			soil	soil	med/soil	soil	soil	soil	soil	soil	med/soil	med/soil
Sample Station Number			14	14	11	26	13B	13A	12B	12A	Blank	Blank
Sample Station Location			SUMPE. OF EVAPORA-TION PONDS MID SUMP	SUMPE. OF EVAPORA-TION PONDS MID SUMP	TRUCK area	OF API PONDS	S.W. COR-NER OF N. EVAPORA-TION POND	S.E. COR-NER OF N. EVAPORA-TION POND	W. END OF SEPARA-TION POND	MIDDLE OF S. BANK OF S. EVAPORA-TION POND		

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

ASE NUMBER: 1006F

SITE NAME/CODE: Plateau Refinery
NM 1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

Compound	PARAMETERS		CONCENTRATIONS (ppb)											
	Fraction	Class	F 3468	F 3470	F 3484	F 3485	F 3487	F 3489	F 3490	Blank	Blank I			
Unknown	VOA	3		123,000										
Unknown	VOA	3							327					
Unknown	VOA	3							212					
Unknown	VOA	3				54								
Unknown	VOA	3				770					550			
Hexadecanoic acid	BNA	3							5,300					
Decane	BNA	3							4,005					
Unde cane	BNA	3												
Unknown	(Scan xx 735)	3	1,100											
Unknown	(" 752-61)	3	640		560	660	750	690	5,200					
Unknown	(" 814-43)	3		320,000					1,800					
Unknown	(" 924)	3							5,900					
Unknown	(" 932)	3		530,000					2,800					
Unknown	(" 1043-1959)	3		670,000					6,400					
Unknown	(" 1119-1121)	3			1,100									
Unknown	(" 1147-1159)	3		530,000										
Unknown	(" 1211)	3			790									
Unknown	(" 1247-1255)	3		600,000	1,600				6,800					
Unknown	(" 1300)	3			3,600				3,050					
Unknown	(" 1340-1348)	3		820,000					4,000					
Unknown	(" 1346)	3		590,000										
Unknown	(" 1353)	3												
Unknown	(" 1429)	3		950,000										
Unknown	(" 1437)	3		420,000										
Unknown	(" 1444)	3			4,500									
Unknown	(" 1469)	3				610								
Matrix Type			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	low/			
Sample Station Number			14	11	26	13B	13A	12B	12A	med/	Blank			
Sample Station Location			Sump E. of EVAPORATION POND	Truck area of SUMP N.W. CORNER	Pond N. of API PONDS	corner of N. EVAPORATION POND	SE corner of EVAPORATION POND	W. end of SEPARATION POND	middle of S. BANK OF S. EVAP. POND	Blank	Blank			

1. Priority Pollutant. NDB - Concentration less than determined in lab blank
2. Specified Hazardous Substance. C - Concentration corrected for lab blank concentration
3. Tentatively Identified. KALT () - Present in sample below quantification limit (quantification limit)
P - Present in sample (tentatively identified compounds)

CASE NUMBER: 1006F

SITE NAME/CODE: PLATEAU REFINERY

NH1686

CONCENTRATIONS (ppb)
EPA SAMPLE NUMBERS

Compound	PARAMETERS			CONCENTRATIONS (ppb)											
	Fraction	Class	E3460	E3469	E3470	E3484	E3485	E3487	E3489	E3490	Blank	Blank	Blank		
Unknown (Scan #1513-1520)	BNA	3			710,000	1,900	610			4,200	Blank	Blank	Blank		
" (1588)	"	3			660,000		460								
" (1594)	"	3													
" (1598)	"	3													
" (1600-1602)	"	3			430,000	2,500	460			3,700					
" (1659-1677)	"	3				1,700				3,600					
" (1675)	"	3													
" (1677)	"	3				2,300									
" (1744-1751)	"	3			420,000	2,000		570		3,100					
" (1750)	"	3				820									
" (1776)	"	3			280,000		460								
" (1814)	"	3													
" (1819)	"	3				1,200				3,000					
" (1821-1833)	"	3			280,000										
" (1882)	"	3													
" (1889-90)	"	3				1,200				2,900					
" (2015-2018)	"	3				1,700	460		530	3,300					
" (2075-2079)	"	3				1,700		730	700	3,000					
" (2134-2138)	"	3				1,600	600	680	790						
" (2194-2199)	"	3				1,700	450	1,100	1,000	3,000					
" (2261-2267)	"	3				1,600	450	1,100	1,200						
" (2340)	"	3					450								
" (2339-2346)	"	3				1,500		680	1,000	2,800					
" (2400-2402)	"	3				1,100	620	570							
" (2429-2438)	"	3						680	1,000						
" (2538-2548)	"	3				770		590	700						
Matrix Type			soil	soil	med/soil	soil	soil	soil	soil	soil	soil	med/soil	med/soil		
Sample Station Number			14	14	11	26	13B	13A	12B	12A			Blank		
Sample Station Location													Blank		

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDU - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: _____

SITE NAME/ CODE: _____

CONCENTRATIONS (P/P)
EPA SAMPLE NUMBERS

Compound	Fraction	Class	PARAMETERS													
			F 5115	F 5116	F 5117	F 5118	F 5119	F 5120	F 5121							
N-nitrosodiphenyl amine	ABN	1	K					76								
diethyl phthalate	ABN	1	K		K											
chrysene	ABN	1	K													
2-methyl naphthalene	ABN	2	K*	K*	440			2,600								
acetone	VOA	2	32C	K	K			380C								
xylenes	VOA	2	K	260				11,000								
ethyl benzene	VOA	1	K	54				3,200								
vinyl acetate	VOA	2	K					930								
naphthalene	ABN	1	K	K				K								
fluorene	ABN	1		170												
phenanthrene	ABN	1		200				110								
pyrene	ABN	1		K				K								
toluene	VOA	1		K				12,000								
dibenzofuran	ABN	2						K								
methylene chloride	VOA	1		K				K								
Benzene	VOA	1		K				3,100								
di-n-butyl phthalate	ABN	1		K												
2-hexanone	VOA	2		K				K								
cyclo hexane	VOA	3		280				1,900								
methyl cyclopentane	VOA	3		P				2,300								
2-methyl pentane	VOA	3		160				P								
methyl cyclohexane	VOA	3		890				2,600								
alcohol or alkene	VOA	3	94	490				5,000								
unknown	VOA	3		P												
cyclic alkane	VOA	3		420												
cis-1,3-dimethyl cyclo hexane	VOA	3	88	P												
Matrix Type			Sludge	Sludge	Oil	Sludge	Sludge	Oil	Sludge	Sludge						
Sample Station Number			15	16	11	20	18	24	23							
Sample Station Location			50'S.W. OF BORING #8 S-SITE LANDFILL	20' N. OF BORING #8 AREA LANDFILL	TRUCK AREA SWAMP	ARROYO N. OF FRESH WATER POND	LEACHATE SPRING	N.E. APE POND	SOUTH APE POND							

K* - missing data sheet

NDB - Concentration less than determined in lab blank

C - Concentration corrected for lab blank concentration

K or LI () - Present in sample below quantification limit (quantification limit)

P - Present in sample (tentatively identified compound)

1. Priority Pollutant.

2. Specified Hazardous Substance.

3. Tentatively Identified.

TABLE II. ORGANIC ANALYSIS SUMMARY

CASE NUMBER: _____

SITE NAME/CODE: Plateau Refinery

CONCENTRATIONS (ppm)
EPA SAMPLE NUMBERS

Compound	PARAMETERS		CONCENTRATIONS (ppm)									
	Fraction	Class	F 5115	F 5116	F 5117	F 5110	F 5119	F 5120	F 5121	EPA SAMPLE NUMBERS		
unknown	VOA	3	78	P								
Cycl/C alkane	VOA	3	82	P								
alkane	VOA	3	81	250								
unknown	VOA	3										
2-methyl heptane	VOA	3	120	480							270	
alkane	VOA	3	P	420							360	
unknown	VOA	3	110									
dimethyl benzene	VOA	3		510							300	
unknown	VOA	3	P	P							P	
alkane	VOA	3	71	P							P	
trimethyl benzene	VOA	3	P	P							P	
methyl ethyl benzene	VOA	3										
alkane	VOA	3	110	360							280	
alkane	ABN	3	173	511	1,560						131	
toluene-see VOA	ABN	3										
dimethyl benzene isomer	ABN	3									815	
dimethyl benzene isomer	ABN	3									991	P
unknown	ABN	3									861	P
trimethyl benzene isomer	ABN	3									960	
alkane	ABN	3									1,090	58
trimethyl benzene isomer	ABN	3									79	
alkane	ABN	3										
trimethyl benzene isomer	ABN	3									724	
substituted benzene	ABN	3									671	
alkane	ABN	3	P	373							P	106
substituted benzene	ABN	3									465	
UNKNOWN	VOA	3	65	P								
PROPYL BENZENE	VOA	3									950	P
	Matrix Type		Sludge	Sludge	Oil	Sludge	Oil	Sludge	Sludge	Sludge	Sludge	Sludge
	Sample Station Number		15	16	11	20	18	24	23	24	23	23
	Sample Station Location		50' SW BORING #8 SITE LANDFILL	20' N. of BORING #8 E. END OF LANDFILL	Truck Area Sump	ARROYO N. OF FRESHWATER POND	Teachate Spring	API Pond	API Pond	API Pond	API Pond	South API Pond

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.

NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K or LT () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compound)

CASE NUMBER: _____

SITE NAME/CODE: _____

CONCENTRATIONS (ppm)
EPA SAMPLE NUMBERS

PARAMETERS		CONCENTRATIONS (ppm) EPA SAMPLE NUMBERS									
Compound	Fraction	Class	F 5115	F5116	F5117	F 5118	F 5119	F 5120	F 5121		
Unknown	ABN	3					594				
Unknown	ABN	3							92		
Unknown	ABN	3					625				
Alkane	ABN	3	P	P	556						
Alkane	ABN	3	P	P	P		358		P		
Alkane	ABN	3					457				
Alkane	ABN	3	214	606			663		133		
Alkane	ABN	3			3,350						
Alkane	ABN	3	163	P			P				
Alkane	ABN	3	P	630	3,200		663		149		
Alkane	ABN	3			7,010		P				
Alkane	ABN	3		154							
Alkane	ABN	3			3,430		3,430				
Alkane	ABN	3	266	663			648		187		
Alkane	ABN	3		405	9,680		495				
Alkane	ABN	3	222		5,180				144		
Alkane	ABN	3	324	P	9,220						
Alkane	ABN	3	P	928			648		101		
Alkane	ABN	3	P	113	2,510		P		78		
Alkane	ABN	3	P	P	7,920		617		P		
Alkane	ABN	3	284	1,330	7,540		946		140		
Alkane	ABN	3	312	1,300	6,020		946		158		
Alkane	ABN	3	294	1,160	3,440		P		149		
Alkane	ABN	3	284	573	3,080		P		123		
Alkane	ABN	3	210	568	2,250		P		108		
Alkane	ABN	3	184	P	1,420		P		108		
	Matrix Type		Sludge	Sludge	Oil	Sludge	Oil	Sludge	Sludge		
	Sample Station Number		15	16	11	20	18	24	23		
	Sample Station Location		50' SW boring #8 SITE #1-100	20' N of E of FRESHWATER Pond	Truck area sump	Array of Ponds	Leachate Spring	NE API pond	South API pond		

1. Priority Pollutant.
 2. Specified Hazardous Substance.
 3. Tentatively Identified.
- NDB - Concentration less than determined in lab blank
 C - Concentration corrected for lab blank concentration
 K< () - Present in sample below quantification limit (quantification limit)
 P - Present in sample (tentatively identified compounds)

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS
NM1686		Plateau Resinert			
SAMPLERS: (Signature) Thomas A. Wagoner, Jr. Dallas, Texas					
STA. NO.	DATE	TIME	STATION LOCATION		
15	4/20/81	1505	approx 50 ft SW of building # 08, 50 ft W of road	1	6-02882 F 5115
16	4/20/81	1523	at B. road end of road S.W.	1	6-02881 F 5116
11	4/21/81	1130	near A.F. Corp.	1	6-02954 F 5117
20	4/21/81	1307	near A.F. Corp.	1	6-12965 F 5118
18	4/21/81	1435	Location 50 ft below discharge pt.	1	6-02164 F 5119
Relinquished by: (Signature) Thomas A. Wagoner, Jr. Date / Time 3-22-81 1301 Received by: (Signature) S.M. P. P. P. Date / Time					
Relinquished by: (Signature) Date / Time Received by: (Signature) Date / Time					
Relinquished by: (Signature) Date / Time Received for Laboratory by: (Signature) Date / Time					

Remarks: 3-23-81 S.A.S. 10/10/81
S.M. P. P. P. 1-22-81 1531
Federal 8-11-81 2-87 01-2-1035

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME					NO. OF CONTAINERS	REMARKS
NM 1684		Plaza Refinery						
SAMPLERS: (Signature)		per ACE Chard & Watts						
STA. NO.	DATE	TIME	QTY	QTY	STATION LOCATION			
23	3/22/84	1325	X	X	South API Pond	1	F-5121	
24	3/22/84	1410	X	X	NE API Pond	1	F-5120	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time		
<i>(Signature)</i>		3/23/84 1200		SA H. J. [Signature]				
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time		
<i>(Signature)</i>				<i>(Signature)</i>				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		
<i>(Signature)</i>				<i>(Signature)</i>		Remarks Case 2573 3022 - 6864 280 9108 113		

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS
NM 1686		Plateau Refinery			
SAMPLERS: (Signature) James O. Jureby					
Sherry K. Handley					
Dora C. Williams					
STA. NO.	DATE	TIME	STATION LOCATION		
04	3/20/81	10:58	Hammond Ditch - upstream of site	2	Tag # 6-02847, 02846 F 3494
04	"	"	"	1	6-02845 F 3494
01	"	10:13	Hammond Ditch - upstream 100' E of siphon	2	6-02854, 02853 F 3495
01	"	"	"	1	6-02852 F 3495
02	"	09:57	South Bank of Ditch adj. to EPA Sep Pond	1	6-02824 F 3496
02	"	"	"	2	6-02823, 02821 F 3496
03	"	10:56	South Bank of Hammond Ditch adj. to W pond	3	6-02843, 02832, 02842 F 3496
03	"	"	"	6	6-02828, 02829, 02830, 02831, 02833
VOR EXT. DEC. EXT.					
Relinquished by: (Signature) James O. Jureby		Date / Time	3/20/81	Received by: (Signature) Sherry K. Handley	Date / Time
Relinquished by: (Signature) Sherry K. Handley		Date / Time		Received by: (Signature)	Date / Time
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)	Date / Time
		Date / Time		Remarks	6-02847, 02846, 02845, 02854, 02853, 02823, 02821, 02843, 02832, 02842, 02828, 02829, 02830, 02831, 02833

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	STATION LOCATION		NO. OF CONTAINERS	REMARKS
		DATE	TIME		
NM 1686	Platinum Refinery				
SAMPLERS: (Signature) [Signature] (Signature) [Signature] (Signature) [Signature]					
Thane P. Colby					
STA. NO.	DATE	TIME	COM. GRAB		
04	6/20/86	0949	X	1	6-0288549 F 3447
04	"	0958	X	1	6-028851 F 3447
01	"	1013	X	1	6-028856 F 3449
01	"	1024	X	1	6-028857 F 3449
02	"	0957	X	1	6-028826 F 3450
02	"	1015	X	1	6-028825 F 3450
03	"	1058	X	1	6-028837 F 3451
03	"	1115	X	1	6-028836 F 3451
05	"	1221	X	1	6-028859 F 3452
05	"	1241	X	1	6-028860 F 3452
06	"	1312	X	1	6-028866 F 3453
06	"	1315	X	1	6-028867 F 3453
07	"	1340	X	2	6-028870, 02871 F 3454
08	"	1410	X	1	6-028874 F 3455
08	"	1445	X	1	6-028875 F 3455
08	"	"	X	1	6-028875 F 3455
Relinquished by: (Signature) [Signature]		Date / Time	Received by: (Signature) [Signature]	Date / Time	Received by: (Signature)
Relinquished by: (Signature) [Signature]		Date / Time	Received by: (Signature) [Signature]	Date / Time	Received by: (Signature)
Relinquished by: (Signature) [Signature]		Date / Time	Received by: (Signature) [Signature]	Date / Time	Received by: (Signature)
Remarks		1. 6-028822-02872 6-028874-02875			

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

OKTAINICS

Water

CHAIN OF CUSTODY RECORD

PROJ. NO.	DATE	TIME	COMP. #	STATION LOCATION	NO. OF CONTAINERS	REMARKS	CHAIN OF CUSTODY	
							Relinquished by: (Signature)	Received by: (Signature)
NM1686								
PROJECT NAME: <u>Plataan Refinery, N. Mexico</u> SAMPLERS: (Signature) <u>James O. Jurek</u> , <u>Michael Clark</u> , <u>Robert C. Wiley</u> <u>Thomas G. Wilgus</u>								
STA. NO.	DATE	TIME	COMP. #	STATION LOCATION	NO. OF CONTAINERS	REMARKS	Relinquished by: (Signature)	Received by: (Signature)
109	7/18/84	0921	X	TAMERISK AREA East of landfill	2	Tag # 6-02903, 02902		F3457
109	"	0934	X	"	1	6-02901		F3457
110	"	0930	X	area e. side of pump pond	2	6-02888, 02890		F3458
110	"	0955	X	Spring head	1	6-02877		F3458
114	"	1011	X	Swamp E. of evaporator ponds; mid swamp	2	6-02897, 02898		F3461
114	"	1039	X	"	1	6-02896		F3461
111	"	1136	X	Truck dump area	2	6-02953, 02954		F3463
111	"	1138	X	Mid. North Bank	1	6-02950		F3463
21	"	1125	X	approx 1/2 mile upstream	2	6-02930, 02929		F3464
21	"	1140	X	side on south bank	1	6-02927		F3464
22	"	1071	X	50 ft upstream from #1141	2	6-02918, 6-02919		F3466
22	"	1045	X	40 ft on south bank	2	6-02920		F3466
22	"	"	1	"	1			F3466
Relinquished by: (Signature) <u>James O. Jurek</u> Received by: (Signature) <u>Michael Clark</u>							Date / Time	3/21/84 1500
Relinquished by: (Signature) <u>Thomas G. Wilgus</u> Received by: (Signature) <u>Robert C. Wiley</u>							Date / Time	3/21/84 1500
Relinquished by: (Signature) <u>Thomas G. Wilgus</u> Received by: (Signature) <u>Robert C. Wiley</u>							Date / Time	3/21/84 1500
Relinquished by: (Signature) <u>Thomas G. Wilgus</u> Received by: (Signature) <u>Robert C. Wiley</u>							Date / Time	3/21/84 1500

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

OK genuine
Soil

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	DATE	TIME	STATION LOCATION	NO. OF CON-TAINERS	REMARKS	FOR EXTRA TABLE	
							DATE	TIME
NM 686	Platosa Refinery							
SAMPLERS: (Signature) James A. Johnson, Thomas A. Cribber Robert A. Wright, Fred L. L. Larry K. Dundy								
09		0921		TAMMICK AREA	1			
09		0930		EAST 6	1			
10		0953		arrigo E. of cup. pond	1			
10				at Springhead	1			
21		1125		UPPER family upstream	1			
21		1150		of site on South Bank	1			
22				"	1			
22		1030		Sect. upstream from Hwy 74	1			
22		1045		on South Bank	1			
06		0943		"	1			
06		0945		125 ft W of NE corner of	1			
17		1340		Spray irrigation in ditch to N	1			
17		1400		deep bedlow lower	1			
17				down low pond	1			
19		1355		stained terrace west	1			
19		1405		of Leachwood Springs	1			
19				"	1			
Relinquished by: (Signature) [Signature] Date / Time 3:30 PM Received by: (Signature) [Signature] Date / Time 1:00 PM Federal Express								
Relinquished by: (Signature) [Signature] Date / Time Received by: (Signature) [Signature] Date / Time								
Relinquished by: (Signature) [Signature] Date / Time Received for Laboratory by: (Signature) [Signature] Date / Time								
Remarks Case 2573 545 1010 F 0022-6586, 594-121-435								

015
Study

CHAIN OF CUSTODY RECORD

PROJ. NO.			PROJECT NAME			NO. OF CONTAINERS	REMARKS
STA. NO.	DATE	TIME	NO. OF SAMPLES	STATION LOCATION	NO.		
NM 1686	Plysay			Refugio, N.Mexico			
SAMPLERS: (Signature) Charles P. West, Jr. Gen. D-1-C							
Theresa C. Wilson, Jan. 21, 1974							
14	3/21/81	1011	X	SUMP c. of sump ponds	1		
14	"	"	X	"	1	Tax # 6-02909 F 3468	
14	"	"	X	"	1	6-02900 F 3468	
14	"	"	X	"	1	6-02912 F 3469	
11	1126		X	TRUCK AREA sump	1	6-02911 F 3469	
11	1138		X	N.W. corner	1	6-02957 F 3470	
11	"	"	X	"	1	6-02956 F 3470	
26	2/22/81	1459	X	Pond N of API pond	1	6-03036 F 3484	
26	"	"	X	"	1	6-03035 F 3484	
13B	3/26/81	1535	X	Wenture of Mump ponds	1	6-03015 F 3485	
13A	3/28/81	1520	X	W of sump ponds	1	6-02984 F 3487	
Relinquished by: (Signature) [Signature] Date / Time [Date] Received by: (Signature) [Signature] Date / Time [Date]							
Relinquished by: (Signature) [Signature] Date / Time [Date] Received by: (Signature) [Signature] Date / Time [Date]							
Relinquished by: (Signature) [Signature] Date / Time [Date] Received by: (Signature) [Signature] Date / Time [Date]							

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	STATION LOCATION		REMARKS
			DATE	TIME	
NM11086	Platoon Refinery, New Mexico	3			
SAMPLERS: (Signature) <i>Charles P. Smith</i> <i>James G. Thursday</i> <i>Richard A. Wright</i> <i>Henry Sunday</i> <i>W. L. S.</i>					
17	3/21/64	1300	X	Seep below tower	6-02943, 6-02944 F 3472
17	"	1400		overflow pond	6-02931, 6-02932, 6-02933, 6-02934, 6-02935, 6-02936
18	"	1420	X	Leachburg Spring area	
18	"	1435	X	below discharging point	6-02949, 02961 F 3476
"	"	"	X	"	6-02960 F 3476
"	"	"	X	Field Blank	6-02968, 02969 F 3477
"	"	"	X	Field Blank	6-02967 F 3477
27	3/21/64	1050	X	Leachburg Spring area	6-02976, 02975 F 3478
		1112			6-02977 F 3478
Relinquished by: (Signature) <i>Richard A. Wright</i> Date / Time 3-22-64 Received by: (Signature) <i>SM - A. P. H.</i> Relinquished by: (Signature) <i>Henry Sunday</i> Date / Time 1300 Received by: (Signature) <i>Richard A. Wright</i> Relinquished by: (Signature) <i>Richard A. Wright</i> Date / Time Received by: (Signature)					
Relinquished by: (Signature) Date / Time Received for Laboratory by: (Signature) Date / Time Remarks Case A 2573 SA's 10067- ADH 0022-6513 SA's 127 155					

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CON-TAINERS	REMARKS	Received by: (Signature)	Date / Time	Relinquished by: (Signature)	Date / Time
NM1686	Plateau Refinery						1-sachet spring 25 ft. below discharge point	1					
18			3/21/84	1:20		X	"	1	6-02963				
18			"	"		X	"	1	6-02964				

VCA EXTRA MISC

Received by: (Signature)
Date / Time

Relinquished by: (Signature)
Date / Time

Received for Laboratory by: (Signature)
Date / Time

Remarks: Case # 2573 SA: *10/17*

113 0622-6586
544 117 435

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF CON. TAINERS	STATION LOCATION	REMARKS
NM 1686	Platona Refinery			
SAMPLERS: (Signature) <i>[Signature]</i> <i>South of Water</i>				
SAMPLERS: (Signature) <i>[Signature]</i> <i>Platona Ref.</i>				
SAMPLERS: (Signature) <i>[Signature]</i> <i>Platona Ref.</i>				
STA. NO. <th>DATE</th> <th>TIME</th> <th>STATION LOCATION</th> <th>REMARKS</th>	DATE	TIME	STATION LOCATION	REMARKS
23	3/21/84	1325	South API Pond	6-03000 F-3479
23	"	"	"	6-03001, 6-03002 "
24	3/21/84	1350	Spray Irrigation Area Platona	6-03009 F-3480
24	"	1407	Well B5	6-03010, 6-03011 "
25	3/21/84	1350	MANW API Pond	6-02992 F-3481
25	"	"	"	6-02993, 6-02994 "
24	3/21/84	1353	N/E API Pond	6-02996 F-3482
24	"	"	"	6-02997, 6-02998 "
26	3/21/84	1350	pond N of API Ponds	6-03003, 6-03004 F-3483
26	3/21/84	1457	SE corner of storage tank	6-03032, 6-03083 "
13A	3/21/84	1520	25 ft. wet inflation pipe	6-02988 F-3484
Relinquished by: (Signature) <i>[Signature]</i> Date / Time 3/21/84 1200 Received by: (Signature) <i>[Signature]</i> Date / Time 3/21/84 1200				
Relinquished by: (Signature) <i>[Signature]</i> Date / Time 3/21/84 1200 Received by: (Signature) <i>[Signature]</i> Date / Time 3/21/84 1200				
Relinquished by: (Signature) <i>[Signature]</i> Date / Time 3/21/84 1200 Received by: (Signature) <i>[Signature]</i> Date / Time 3/21/84 1200				
Remarks: <i>Case # 2573 SAs 1/10/84</i> <i>See A.C.F. 0026-3761</i> <i>Fed. No. 594-127170</i>				

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

ORGANIC GLUCSE

REGION 6
First International Bldg., 1201 Elm St.
Dallas, Texas 75270

CHAIN OF CUSTODY RECORD

PROJ. NO. NM 1886		PROJECT NAME Platoon Retainers		NO. OF CONTAINERS	REMARKS
SAMPLERS: (Signature) Charles P. Wall - M.H.L.					
STA. NO.	DATE	TIME	STATION LOCATION		
		12:30			
12 B	3-22-81	1845	X West of S trap para	1	F 3487
12 A	3-22-81	1835	X middle of S band of trap para	1	F 3490
		1815			

Relinquished by: (Signature) <i>Charles P. Wall</i>	Date / Time 3/23/81 1230	Received by: (Signature) <i>John W. ...</i>	Date / Time 6-30-17
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

Remarks SAS 10061	Remarks SW AIR 00211 3723	Remarks FOLDER 504/27 203
----------------------	------------------------------	------------------------------

INORGANICS

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 6
First International Bldg., 1201 Elm St.
Dallas, Texas 75270

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS
NM 1686		Plateau Refinery, New Mexico			
SAMPLERS: (Signature) James G. Jansley, David Anderson		STATION LOCATION		Metalloids	
STA. NO.	DATE	TIME	STATION LOCATION		
04	3-28-81	0949	Hammond Ditch offsite Downstream	1	Tag # 6-02848 MF 1130
01	"	1013	Hammond Ditch upstream	1	6-02855 MF 1131
02	"	0957	So. Bank of Hammond Ditch adjacent to Wisconsin Blvd	1	6-02882 MF 1132
04	"	0949	offsite Downstream Hammond Ditch	1	6-02848 MF 1133
01	"	1013	offsite upstream Hammond Ditch	1	6-02858 MF 1134
02	"	0957	Spring Bay of Hammond Ditch adjacent to Wisconsin Blvd	1	6-02827 MF 1135
03	"	1058	Spring Bay of Hammond Ditch adjacent to W. Fairbairn Road	2	6-02835 MF 1136
03	"	1958	"	1	6-02838 MF 1138
05	"	1201	SE 1/4 E of NW Corner of Spicy Irrigation Area	1	6-02861 MF 1139
06	"	1212	225 ft W of NE corner of Spicy Irrigation Area	1	6-02868 MF 1140
07	"	1340	West side of land drain	1	6-02872 MF 1141
08	"	1445	East side of land drain 1-311	1	6-02876 MF 1142
-	"	-	Field Blank	1	6-02887 MF 1143
Relinquished by: (Signature) James G. Jansley, David Anderson				Date / Time	Received by: (Signature)
Relinquished by: (Signature)				Date / Time	Received by: (Signature)
Relinquished by: (Signature)				Date / Time	Received by: (Signature)
Remarks: 113 03 26 - 5112 5941 21461				Date / Time	Received by: (Signature)

Distribution: Original Accompanied Shipment; Copy to Coordinator Field Files

6 1587

INORGANICS

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	STATION LOCATION	NO. OF CONTAINERS	REMARKS	
				METAL(S)	NON-METAL(S)
NM1686	Platinum Refinery, N. Mexico				
SAMPLERS: (Signature) <i>Charles Robert Jones</i> <i>Theresa G. White</i> <i>New Mexico</i>					
STA. NO.	DATE	TIME			
09	3-21-84	0921	1	X	Tag # 6-02904 MF 1144
10	"	0930	1	X	" 6-02889 MF 1145
09	"	0935	1	X	" 6-02907 MF 1146
10	"	0930	1	X	" 6-02880 MF 1147
14	"	1016	1	X	" 6-02899 MF 1148
14	"	"	1	X	" 6-02910 MF 1149
14	"	"	1	X	" 6-02913 MF 1150
11	"	1126	1	X	" 6-02958 MF 1151
11	"	1138	1	X	" 6-02955 MF 1152
21	"	1125	1	X	" 6-02928 MF 1153
21	"	1140	1	X	" 6-02924 MF 1154
22	"	1030	1	X	" 6-02917 TM MF 1155
22	"	1045	1	X	" 6-02923 MF 1156
Relinquished by: (Signature) <i>Charles Robert Jones</i> Date / Time 3/21/84 11 ⁰⁰ Received by: (Signature) <i>S. A. ...</i> Date / Time Relinquished by: (Signature) <i>Dr. Robert Jones</i> Date / Time Received by: (Signature)					
Relinquished by: (Signature) Date / Time Received by: (Signature)					
Relinquished by: (Signature) Date / Time Received by: (Signature)					
Remarks: Cap # 2513 Sub 1010 AB 20022 68710 5 941 27424					

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

INORGANICS

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	DATE	TIME	STA. NO.	STATION LOCATION	NO. OF CONTAINERS	REMARKS
NM1686	Plataon Refinery, NMexico	3/21/84	0943	06	1/3 W of NE corner of Spray Irrigation area	1	Tag# 6-02895 MF 1157
		"	1340	07	South Below Lower overflows pond	2	Tag# 6-02943, 6-02940 MF 1158
		"	"	"	"	1	#6-02934 MF 1159
		"	1355	19	Stained Terrace, W of Leachate Spring	1	#6-02946 / MF 1160 / MF 3474
		"	1420	18	Leachate Spring 25' below discharge point	1	#6-02962 MF 1161
		"	"	18	"	1	#6-02950 MF 1162
		"	"	-	FIELD BLANK	1	#6-02970 MF 1163
		3/21/84	1050	27	Plataon Monitoring Well #401	1	#6-02978 MF 1164
<p>Relinquished by: <i>[Signature]</i> Date / Time: 3-21-84 1300 Received by: <i>[Signature]</i> Date / Time: Federal Laboratory</p>							
<p>Relinquished by: <i>[Signature]</i> Date / Time: _____ Received by: <i>[Signature]</i> Date / Time: _____</p>							
<p>Relinquished by: <i>[Signature]</i> Date / Time: _____ Received for Laboratory by: <i>[Signature]</i> Date / Time: _____</p>							

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

61588

INORGANICS

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 6
First International Bldg., 1201 Elm St.
Dallas, Texas 75270

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	STATION LOCATION	NO. CON. TAINERS	REMARKS	
				METALS (SOL)	METALS (WATER)
NM1686	Plataan Refinery, N. Mexico				
SAMPLERS: (Signature) <i>[Signature]</i> James a study of <i>[Signature]</i>					
STA. NO.	DATE	TIME	NO. CON. TAINERS	METALS (SOL)	METALS (WATER)
23	3/22/81	1325	1	X	Tag # 6-02999 MF 1165
28	"	1350	1	X	Tag # 6-03012 MF 1166
25	"	1340	1	X	Tag # 6-02991 MF 1167
24	"	1355	1	X	Tag # 6-02995 MF 1168
26	"	1454	1	X	Tag # 6-03034 MF 1169
26	"	1502	1	X	Tag # 6-03037 MF 1170
13B	"	1525	1	X	Tag # 6-03013 MF 1171
13A	"	1458	1	X	Tag # 6-03005 MF 1172
13A	"	"	1	X	Tag # 6-02987 MF 1173
Relinquished by: (Signature) <i>[Signature]</i> Date / Time 3/23/81 1200 Received by: (Signature) <i>[Signature]</i> Date / Time Relinquished by: (Signature) <i>[Signature]</i> Date / Time Received by: (Signature) <i>[Signature]</i> Date / Time Relinquished by: (Signature) <i>[Signature]</i> Date / Time Received for Laboratory by: (Signature) <i>[Signature]</i> Date / Time					
Remarks: CASF # 2573 LAC 1006F SWAB # 0026-3156 FEAB # 544-127-166					

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

INORGANICS

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 6
First International Bldg., 1201 Elm St.
Dallas, Texas 75270

CHAIN OF CUSTODY RECORD

PROJECT NAME			STATION LOCATION	NO. OF CONTAINERS	REMARKS
PROJ. NO.	DATE	TIME			
NM1686	3/27/81	1543	W. End of S. Exp. Road	1	Metal (Soil) Metal (Water)
	"	1600	"	1	
	"	1535	Middle of S. Bank of S. Road (imp)	1	
	"	1615	Platform Well #1, North of Road	1	
	"	1630	Field Blank	1	
					Tag # 6-03021 MF 1174
					Tag # 6-03016 MF 1175
					Tag # 6-03023 MF 1176
					Tag # 6-03029 MF 1177
					Tag # 6-03040 MF 1178
Relinquished by: (Signature) <i>Charles P. [Signature]</i>					Date / Time 3/28/81 1700
Received by: (Signature) <i>[Signature]</i>					Date / Time
Relinquished by: (Signature)					Date / Time
Received for Laboratory by: (Signature)					Date / Time
Remarks					Case # 25713 SNA 1006 F SWAB # 0022 - 6855 FLAC # 594127181

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		STATION LOCATION	NO. OF CON. TAINERS	REMARKS
N/M 1686		Plateau Refinery				
SAMPLERS: (Signature) Thomas C. Ortega						
STA. NO.	DATE	TIME	STATION LOCATION			
02	3/20/81	0957 1015	South bank of Hammond ditch adjacent to west corner of API Separator Pans	X		6-02818 6-02820 6-02819
03	3/20/81	1058 1115	S bank of Hammond ditch adjacent to W Freshwater pond	X		6-02839 6-02840 6-02841
05	3/20/81	1201 1208	8.5 ft E of NW corner of spec. irrigation area in ditch to north area	X		6-02863 6-02864 6-02865
09	3/21/81	0234	Tamworth Loc. 8 of final cell	X		6-02898 6-02899 6-02897
				X		6-02892
Relinquished by: (Signature)				Date / Time	Received by: (Signature)	Date / Time
Relinquished by: (Signature)				Date / Time	Received by: (Signature)	Date / Time
Relinquished by: (Signature)				Date / Time	Received by: (Signature)	Date / Time

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		STATION LOCATION	NO. OF CONTAINERS	REMARKS
141 1686		Plutonium Refinery				
SAMPLERS: (Signature) <i>[Signature]</i>						
STA. NO.	DATE	TIME	COMP	GRAB		
14	4/24/84	10:30		✓	1	6-02914
					1	6-02915
					1	6-02916
17	4/24/84	10:30		✓	1	6-02917
18	4/24/84	10:30		✓	1	6-02918
19	4/24/84	10:30		✓	1	6-02919
20	4/24/84	10:30		✓	1	6-02920
21	4/24/84	10:30		✓	1	6-02921
22	4/24/84	10:30		✓	1	6-02922
23	4/24/84	10:30		✓	1	6-02923
24	4/24/84	10:30		✓	1	6-02924
25	4/24/84	10:30		✓	1	6-02925
26	4/24/84	10:30		✓	1	6-02926
27	4/24/84	10:30		✓	1	6-02927
28	4/24/84	10:30		✓	1	6-02928
29	4/24/84	10:30		✓	1	6-02929
30	4/24/84	10:30		✓	1	6-02930
31	4/24/84	10:30		✓	1	6-02931
32	4/24/84	10:30		✓	1	6-02932
33	4/24/84	10:30		✓	1	6-02933
34	4/24/84	10:30		✓	1	6-02934
35	4/24/84	10:30		✓	1	6-02935
36	4/24/84	10:30		✓	1	6-02936
37	4/24/84	10:30		✓	1	6-02937
38	4/24/84	10:30		✓	1	6-02938
39	4/24/84	10:30		✓	1	6-02939
40	4/24/84	10:30		✓	1	6-02940
41	4/24/84	10:30		✓	1	6-02941
42	4/24/84	10:30		✓	1	6-02942
43	4/24/84	10:30		✓	1	6-02943
44	4/24/84	10:30		✓	1	6-02944
45	4/24/84	10:30		✓	1	6-02945
46	4/24/84	10:30		✓	1	6-02946
47	4/24/84	10:30		✓	1	6-02947
48	4/24/84	10:30		✓	1	6-02948
49	4/24/84	10:30		✓	1	6-02949
50	4/24/84	10:30		✓	1	6-02950
51	4/24/84	10:30		✓	1	6-02951
52	4/24/84	10:30		✓	1	6-02952
53	4/24/84	10:30		✓	1	6-02953
54	4/24/84	10:30		✓	1	6-02954
55	4/24/84	10:30		✓	1	6-02955
56	4/24/84	10:30		✓	1	6-02956
57	4/24/84	10:30		✓	1	6-02957
58	4/24/84	10:30		✓	1	6-02958
59	4/24/84	10:30		✓	1	6-02959
60	4/24/84	10:30		✓	1	6-02960
61	4/24/84	10:30		✓	1	6-02961
62	4/24/84	10:30		✓	1	6-02962
63	4/24/84	10:30		✓	1	6-02963
64	4/24/84	10:30		✓	1	6-02964
65	4/24/84	10:30		✓	1	6-02965
66	4/24/84	10:30		✓	1	6-02966
67	4/24/84	10:30		✓	1	6-02967
68	4/24/84	10:30		✓	1	6-02968
69	4/24/84	10:30		✓	1	6-02969
70	4/24/84	10:30		✓	1	6-02970
71	4/24/84	10:30		✓	1	6-02971
72	4/24/84	10:30		✓	1	6-02972
73	4/24/84	10:30		✓	1	6-02973
74	4/24/84	10:30		✓	1	6-02974
75	4/24/84	10:30		✓	1	6-02975
76	4/24/84	10:30		✓	1	6-02976
77	4/24/84	10:30		✓	1	6-02977
78	4/24/84	10:30		✓	1	6-02978
79	4/24/84	10:30		✓	1	6-02979
80	4/24/84	10:30		✓	1	6-02980
81	4/24/84	10:30		✓	1	6-02981
82	4/24/84	10:30		✓	1	6-02982
83	4/24/84	10:30		✓	1	6-02983
84	4/24/84	10:30		✓	1	6-02984
85	4/24/84	10:30		✓	1	6-02985
86	4/24/84	10:30		✓	1	6-02986
87	4/24/84	10:30		✓	1	6-02987
88	4/24/84	10:30		✓	1	6-02988
89	4/24/84	10:30		✓	1	6-02989
90	4/24/84	10:30		✓	1	6-02990
91	4/24/84	10:30		✓	1	6-02991
92	4/24/84	10:30		✓	1	6-02992
93	4/24/84	10:30		✓	1	6-02993
94	4/24/84	10:30		✓	1	6-02994
95	4/24/84	10:30		✓	1	6-02995
96	4/24/84	10:30		✓	1	6-02996
97	4/24/84	10:30		✓	1	6-02997
98	4/24/84	10:30		✓	1	6-02998
99	4/24/84	10:30		✓	1	6-02999
100	4/24/84	10:30		✓	1	6-03000
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)		Date / Time	Remarks

Splits

CHAIN OF CUSTODY RECORD

PROJ. NO. NM 1686	PROJECT NAME Ph-kaw Refinery New Mexico
SAMPLERS: (Signature) <i>Tom Barker</i> <i>Charles P. Webb</i>	

STA. NO.	DATE	TIME	STATION LOCATION	NO. OF CON-TAINERS	REMARKS
123	<i>3/23/82</i>	<i>1:00 PM</i>	<i>W end of Samp. pen</i>	<i>1</i>	<i>Test</i> <i>6-5-03018</i>

REMARKS

CD
100
579711

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
<i>E. L. ...</i>	<i>3/23/82 08:00</i>	<i>Paul ...</i>	
<i>Paul ...</i>	<i>3/23/82</i>	<i>Paul ...</i>	
<i>Paul ...</i>	<i>3/23/82</i>	<i>Paul ...</i>	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

Houston

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS
VA 1686		Plucon Refinery			
SAMPLERS: (Signature) <i>Chad D. Smith</i> <i>Michael</i>					
STA. NO.	DATE	TIME	STATION LOCATION		
	3-22-81	10:20	Transportation yard drum	1	U-02974
23	3-22-81	13:30	Suolk API Pond	1	U-02984
24	3-22-81	13:35	NE API Pond	1	U-03003
13B	3-22-81	13:35	SW Corner of NE Evap Pond	1	U-03014
13A	3-22-81	14:20	SE Corner of NE Evap Pond	1	U-02990
12B	3-22-81	15:35	W end of S Evap Pond	1	U-03020
12A	3-22-81	16:55	N end of S Evap Pond	1	U-03025
Relinquished by: (Signature) <i>Chad D. Smith</i>					
Date / Time		Received by: (Signature)		Date / Time	
3/22/81 1200		St. Air Hill			
Relinquished by: (Signature) <i>Chad D. Smith</i>					
Date / Time		Received by: (Signature)		Date / Time	
		Federal Express			
Relinquished by: (Signature)					
Date / Time		Received for Laboratory by: (Signature)		Date / Time	
Remarks SWA 0022-6670 Fed Ex 286 968 102					

FEDERAL EXPRESS

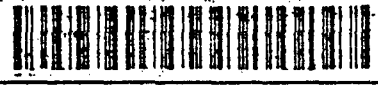
PLEASE COMPLETE ALL INFORMATION IN THE 5-BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

286968302

YOUR FEDERAL EXPRESS ACCOUNT NUMBER
#73 0752-3840-2

DATE
3/3/85



FROM (Your Name)
Paul Oxer
COMPANY
ECOLOGY & ENVIRONMENT INC
STREET ADDRESS
1909 MAIN ST STE 214
CITY
DALLAS
STATE
TX

TO (Recipient's Name)
EPA
COMPANY
EPA
STREET ADDRESS (P.O. BOX NUMBERS IF NOT DELIVERABLE)
CITY
STATE

AIRBILL NO. 286968302
ZIP ACCOUNT ZIP CODE REQUIRED FOR EXPRESS DELIVERY
75201

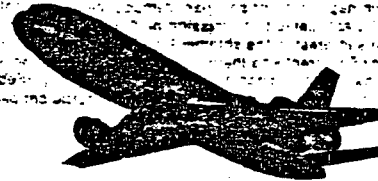
IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT
F.E.C. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM
CARRIAGE HEREOF. F.E.C. DOES NOT CARRY CARGO LIABILITY INSURANCE.
ZIP ACCOUNT ZIP CODE REQUIRED FOR OVERNIGHT DELIVERY
75201

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL APPEAR ON INVOICE)
SANT RING 403
PAYMENT Bill Shipper Bill Recipient's F.E. Account Bill 3rd Party F.E. Account Bill Credit Card
 Cash in Advance Account Number/Credit Card Number 0752-3840-2

CLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT, THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY, UNLESS YOU DECLARE A HIGHER VALUE. THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00 FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

SERVICES CHECK ONLY ONE BOX
PRIORITY 1
 OVERNIGHT PACKAGES (Up to 70 LBS.)
STANDARD AIR DELIVERY AND BUSINESS FOLLOWING FOLLOW (Up to 70 LBS.)
OVERNIGHT IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY); TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING."
DRUMS AND RADIOACTIVE MATERIAL ONLY
DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED
1 HOLD FOR PICK-UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER IS REQUIRED.
2 DELIVER TO RECIPIENT'S DOOR
3 SATURDAY DELIVERY REQUIRED (See Service Guide for restrictions on delivery)
4 RESTRICTED ARTICLES SERVICE (See Service Guide for restrictions on delivery)
5 DELIVER TO SHIPPER'S DOOR (See Service Guide for restrictions on delivery)
6 DELIVER TO SHIPPER'S DOOR (See Service Guide for restrictions on delivery)
7 OTHER SPECIAL SERVICE (See Service Guide for restrictions on delivery)
8
9

SHIPPER'S COPY
FEDERAL EXPRESS
FREIGHT CHARGES
DECLARED VALUE CHARGE
AGT/PRO
ADVANCE ORIGIN
ADVANCE DESTINATION
OTHER
TOTAL CHARGES
PART #2041730764
REVISION DATE 10/82S
PRINTED U.S.A.



PACKAGES WEIGHT DECLARED VALUE ORS
TOTAL TOTAL TOTAL
5
DELIVERED AT SHIPPER'S DOOR
 REGULAR STOP
 ON-CALL STOP
FEE LOC 877
DATE/TIME For Federal Express Use

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

127

71011 #33

YOUR FEDERAL EXPRESS ACCOUNT NUMBER

0752-5840-2

DATE

3-23-84



FROM (Your Name)

Post Office

TO (Recipient's Name)

Anc. Fi. e

If Used For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY

DEPARTMENT/FLOOR NO

ECOLOGU & ENVIRONMENT INC

COMPANY

DEPARTMENT/FLOOR NO

Alford Comm / Chem

STREET ADDRESS

1509 MAIN ST STE 824

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)

3201 Ch. of Hill / Nelson Hwy

CITY

STATE

DALLAS TX

CITY

STATE

Reservoir Triangle Park NC

AIRBILL NO. 594127170

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT HANDLING 115121011

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM CARRIAGE HEREOF. F.E.C. DIS-

ZIP ACCURATE ZIP CODE REQUIRED FOR OVERNIGHT DELIVERY 21711019

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)

SAN R06840311

CLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

FEDERAL EXPRESS USE

FREIGHT CHARGES

DECLARED VALUE CHARGE

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card
Cash in Advance Account Number/Credit Card Number 6200-3151-4

SERVICES CHECK ONLY ONE BOX

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

PACKAGES WEIGHT DECLARED VALUE QTS

- PRIORITY 1** OVERNIGHT LETTER
- OVERNIGHT PACKAGES** (Add to P1 label)
- COURIER PAK**
- OVERNIGHT ENVELOPE** (Add to P1 label)
- OVERNIGHT BOX** (Add to P1 label)
- OVERNIGHT TUBE** (Add to P1 label)
- STANDARD AIR**
- DELIVERY THIS BUSINESS DAY FOLLOWING PICKUP** (Add to P1 label)

- HOLD FOR PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE** (RECIPIENT'S PHONE NUMBER REQUIRED)
- DELIVER**
- SECURITY SERVICE REQUIRED** (See Form 3000-0000 for details)
- RESTRICTED ARTICLES SERVICE (RAS)** (See Form 3000-0000 for details)
- SEE SHIPPER'S SPECIAL SERVICE** (See Form 3000-0000 for details)
- BY AIR** (See Form 3000-0000 for details)
- OTHER SPECIAL SERVICE**

PACKAGES	WEIGHT	DECLARED VALUE	QTS
1			
TOTAL	TOTAL	TOTAL	

RECEIVED AT SHIPPER'S DOOR
 REGULAR STOP
 NON-CALL STOP
A/C. LOC. 371
Federal Express Corporation Employee No.
DATE/TIME For Federal Express Use

AGT/PRO 0026-3715	ADVANCE ORIGIN 2100
AGT/PRO	ADVANCE DESTINATION
OTHER	
TOTAL CHARGES	



PART# 2041730751
FEC-S-0751 D/O/B
REVISION DATE
2/83 GBF
PRINTED USA

SHIPPER'S COPY

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

NORGANICS

AIRBILL NUMBER

127



YOUR FEDERAL EXPRESS ACCOUNT NUMBER

0752-5840-2

DATE
3/23/84

FROM (Your Name)
J. PAUL OXFER

TO (Recipient's Name)
JANET BECKMAN

If Hold For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY
ECOLOGY & ENVIRONMENT INC

COMPANY
VERSAR INC. P.O. Box 1549

STREET ADDRESS
2509 MAIN ST STE 814

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)
4850 VERSAR CENTER

CITY
DALLAS TX

CITY
SPRINGFIELD VIRGINIA

AIRBILL NO. **594127166**

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT SHIPPING
75121

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM

ZIP ACCURATE ZIP CODE REQUIRED FOR OVERNIGHT DELIVERY
22115

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)
SAM R06840311

CARRIAGE HEREOF F.E.C. DIS-CLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

FEDERAL EXPRESS USE
FREIGHT CHARGES
DECLARED VALUE CHARGE

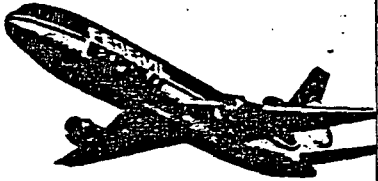
PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card
 Cash in Advance Account Number/Credit Card Number **0200-7751-4**

SERVICES CHECK ONLY ONE BOX-
PRIORITY 1 OVERNIGHT LETTER
1 OVERNIGHT PACKAGES (Add to 70 LBS.)
COURIER PAK 7
2 OVERNIGHT ENVELOPE (Add to 7 LBS.)
3 OVERNIGHT BOX (Add to 5 LBS.)
4 OVERNIGHT TUBE (Add to 5 LBS.)
STANDARD AIR
5 DELIVERY 2ND BUSINESS DAY FOLLOWING PICK-UP (Add to 70 LBS.)
OVERNIGHT IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY). TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING"

DELIVERY AND SPECIAL HANDLING
70A (CHECK SERVICE) (Add to 70 LBS.)
1 FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S SIGNATURE REQUIRED.
2 DELIVER
3 SATURDAY SERVICE REQUIRED (See Service Guide for details and charges.)
4 RESTRICTED ARTICLES SERVICE (P-1 and Standard Air Packages only, extra charges)
5 SEE Shipper's Service Manual, extra charges apply.
6 CITY USE LBS.
7 OTHER SPECIAL SERVICE
8
9 **700-750-3000**

PACKAGES	WEIGHT	DECLARED VALUE	O/S
1			
TOTAL	TOTAL	TOTAL	
RECEIVED AT SHIPPER'S DOOR <input type="checkbox"/> REGULAR STOP <input type="checkbox"/> ON-CALL STOP <input checked="" type="checkbox"/> F.E.C. LOC. 8221			
Federal Express Corporation Employee No.			
DATE/TIME For Federal Express Use			

AGT/PRO **2026-3756** ADVANCE ORIGIN **2000-**
AGT/PRO ADVANCE DESTINATION
OTHER
TOTAL CHARGES
PART# 2041730751
FEC-S-0751 D/O/B
REVISION DATE
2/83 GBF
PRINTED USA



SHIPPER'S COPY

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

127

YOUR FEDERAL EXPRESS ACCOUNT NUMBER

0752-9840-2

DATE

3-23-81



FROM (Your Name)

Paul Oxen

TO (Recipient's Name)

Bill Davis

If Hold For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY

ECOLOGY & ENVIRONMENT INC

DEPARTMENT/FLOOR NO.

COMPANY

Rocky Mountain Area

DEPARTMENT/FLOOR NO.

STREET ADDRESS

1509 MAIN ST STE 814

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)

5500 Marshall St

CITY

DALLAS

STATE

TX

CITY

Aurora

STATE

CO

AIRBILL NO. 594127203

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT DELIVERY
71512013

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM

ZIP ACCURATE ZIP CODE REQUIRED FOR OVERNIGHT DELIVERY
91010113

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)

SAA ROU 8403 11

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card
 Cash In Advance Account Number/Credit Card Number 0600-7752-4

CARRIAGE HEREOF, F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

FEDERAL EXPRESS USE
FREIGHT CHARGES
DECLARED VALUE CHARGE

SERVICES CHECK ONLY ONE BOX

PRIORITY 1 OVERNIGHT LETTER (Add to Label)

COURIER PAK 7

2 OVERNIGHT PARCEL 8 (Add to Label)

3 OVERNIGHT BOX 9 (Add to Label)

4 OVERNIGHT TUBE 10 (Add to Label)

STANDARD AIR

5 DELIVERY TWO BUSINESS DAY FOLLOWING PICK-UP (Add to Label)

OVERNIGHT™ IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY); TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING."

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

1 HOLD FOR PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER REQUIRED

2 DELAY

3 SATURDAY SERVICE REQUIRED (See Service Guide for details)

4 RESTRICTED ACCESS SERVICE (P.O. Box Street or Parcel Only, with change)

5 SEE Shipper's Security Manual (When change required)

6 CRYOL LABEL

7 OTHER SPECIAL SERVICE

8

9

PACKAGES	WEIGHT	DECLARED VALUE	OS
1			
TOTAL	TOTAL	TOTAL	
1			

RECEIVED AT SHIPPER'S DOOR
 REGULAR STOP
 ON-CALL STOP
 F.E.C. LOC. 821
 Federal Express Corporation Employee No.
 DATE/TIME For Federal Express Use

AGT/PRO ADVANCE ORIGIN
00263723 2060

AGT/PRO ADVANCE DESTINATION

OTHER

TOTAL CHARGES

PART# 2041730751
 FEC-S-0751 D/O/B
 REVISION DATE
 2/83 GBF
 PRINTED USA

SHIPPER'S COPY



FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

5127

71011

31

YOUR FEDERAL EXPRESS ACCOUNT NUMBER
0752-9840-2

DATE
3-23-84



FROM (Your Name) **Paul Oxer**

COMPANY **ECOLOGY & ENVIRONMENT INC** DEPARTMENT/FLOOR NO.

STREET ADDRESS **1900 MAIN ST STE 814**

CITY **DALLAS** STATE **TX**

TO (Recipient's Name) **Angie Frye** If Held For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY **Mead Comp Chem** DEPARTMENT/FLOOR NO.

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE) **3308 Chapel Hill / Nelson Hill**

CITY **Rayborn Frisco Frisco Park** STATE **AIC**

AIRBILL NO. **594127192**

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT DELIVERY
75201

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT DELIVERY
277109

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)
SAM RO684000311

CARRIAGE HEREOF, F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY, UNLESS YOU DECLARE A HIGHER VALUE. THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

FEDERAL EXPRESS USE
FREIGHT CHARGES
DECLARED VALUE CHARGE

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card

Cash in Advance Account Number/Credit Card Number **0200-7756-4**

SERVICES CHECK ONLY ONE BOX

PRIORITY 1 **OVERNIGHT LETTER**

1 **OVERNIGHT PARCEL** (3000 TO 70 LBS.) **COURIER PAK**

2 **OVERNIGHT PARCEL** (400 TO 2 LBS.)

3 **OVERNIGHT BOX** (400 TO 6 LBS.)

4 **OVERNIGHT TUBE** (400 TO 6 LBS.)

STANDARD AIR

5 **DELIVERY TWO BUSINESS DAYS FOLLOWING PICK-UP** (400 TO 70 LBS.)

OVERNIGHT IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY). TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING."

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

1 **HOLD FOR PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER REQUIRED.**

2 **DELIVER**

3 **SATURDAY SERVICE REQUIRED** (See Service Guide for details.)

4 **RESTRICTED ARTICLE SERVICE (RAS)** (See Service Guide for details.)

5 **SEE Alternative Delivery Service** (See Service Guide for details.)

6 **DRY ICE** (See Service Guide for details.)

7 **OTHER SPECIAL SERVICE**

8

9

PACKAGES **1** WEIGHT **1** DECLARED VALUE **1** OS

TOTAL **1** TOTAL **1** TOTAL **1**

RECEIVED AT SHIPPER'S DOOR REGULAR STOP ON-CALL STOP F.E.C. LOC **21**

Federal Express Corporation Employee No.

DATE/TIME For Federal Express Use

AGT/PRO **0026-3224** ADVANCE ORIGIN **2000**

AGT/PRO **2000** ADVANCE DESTINATION



OTHER

TOTAL CHARGES

PART# 2041730731
FEC-S-0751 DVO/B
REVISION DATE
2/83 GBF
PRINTED USA

SHIPPER'S COPY

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

127



71011 #22

YOUR FEDERAL EXPRESS ACCOUNT NUMBER
0792-5870-2

DATE
3/21/84

FROM (Your Name)
J. Paul Exer

TO (Recipient's Name)
Bill Davis
If Need For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY
ECOLOGY & ENVIRONMENT INC

COMPANY
Rocky Mtn. Architects

DEPARTMENT/FLOOR NO.
STREET ADDRESS
1509 MAIN ST STE 814

DEPARTMENT/FLOOR NO.
STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)
5530 Marshall St.

CITY
DALLAS

CITY
Arlene
STATE
CO

AIRBILL NO. 594327413
ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT PACKAGING
7521011

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM CARRIAGE HEREOF. F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.
ZIP ACCURATE ZIP CODE REQUIRED FOR OVERNIGHT DELIVERY
8101012

YOUR NOTES/PREFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)
S.A.M.R. 6840311

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card
 Cash in Advance Account Number/Credit Card Number 0200-7751-4

FEDERAL EXPRESS USE
FREIGHT CHARGES
DECLARED VALUE CHARGE

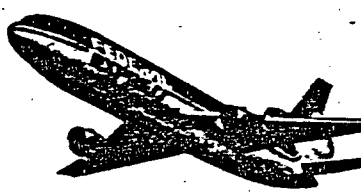
SERVICES		DELIVERY AND SPECIAL HANDLING		PACKAGES	WEIGHT	DECLARED VALUE	O/S
CHECK ONLY ONE BOX		CHECK SERVICES REQUIRED					
<input checked="" type="checkbox"/> PRIORITY 1	<input type="checkbox"/> OVERNIGHT LETTER	<input checked="" type="checkbox"/> PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER REQUIRED.		1			
<input checked="" type="checkbox"/> OVERNIGHT PARCEL (ADD TO 75 LBS.)	<input type="checkbox"/> COURIER PAK	<input checked="" type="checkbox"/> SIGNATURE SERVICE REQUIRED (SIGNATURE STRIP ATTACHED TO PARCEL; ADD CHARGE)					
<input type="checkbox"/> OVERNIGHT ENVELOPE (ADD TO 2 LBS.)	<input type="checkbox"/> 7	<input type="checkbox"/> REGISTERED MAIL SERVICE (P-1 and SIGNATURE OF POSTMAN REQ.; ADD CHARGE)					
<input type="checkbox"/> OVERNIGHT BOX (ADD TO 5 LBS.)	<input type="checkbox"/> 8	<input type="checkbox"/> DELIVERY TO BUSINESS (REGULAR; ADD CHARGE)					
<input type="checkbox"/> OVERNIGHT TUBE (ADD TO 5 LBS.)	<input type="checkbox"/> 9	<input type="checkbox"/> DELIVERY TO BUSINESS (REGULAR; ADD CHARGE)					
<input type="checkbox"/> STANDARD AIR		<input type="checkbox"/> DELIVERY TO BUSINESS (REGULAR; ADD CHARGE)					
<input type="checkbox"/> DELIVERY 2ND BUSINESS DAY FOLLOWING PICK-UP (ADD TO 75 LBS.)		<input type="checkbox"/> DELIVERY TO BUSINESS (REGULAR; ADD CHARGE)					
<input type="checkbox"/> OVERNIGHT IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY). TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S.		<input type="checkbox"/> DELIVERY TO BUSINESS (REGULAR; ADD CHARGE)					
<input type="checkbox"/> SPECIAL HANDLING		<input type="checkbox"/> DELIVERY TO BUSINESS (REGULAR; ADD CHARGE)					

RECEIVED AT	SHIPPER'S DOOR	REGULAR STOP	ON-CALL STOP	F.E.C. LOC.
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	221
Federal Express Corporation Employee No.				
DATE/TIME For Federal Express Use				

AGT/PRO	ADVANCE ORIGIN
0222-154	J. Paul Exer
AGT/PRO	ADVANCE DESTINATION
OTHER	
TOTAL CHARGES	

PART# 2041730751
FEC-S-0751 D/O/B
REVISION DATE
2/83 GBF
PRINTED USA

SHIPPER'S COPY



FEDERAL EXPRESS

INORGANICS

AIRBILL NUMBER

594127144

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

11011 #70

YOUR FEDERAL EXPRESS ACCOUNT NUMBER
0792-5840-2

DATE
3-22-84



FROM (Your Name)
J. PAUL OXER

COMPANY
ECOLOGY & ENVIRONMENT INC

DEPARTMENT/FLOOR NO.

STREET ADDRESS
1509 MAIN ST STE 814

CITY
DALLAS

STATE
TX

TO (Recipient's Name)
JANET BECKMAN

COMPANY
VERSAK INC, P.O. BOX 1549

DEPARTMENT/FLOOR NO.

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)
6850 VERSAK CENTER

CITY
SPRINGFIELD

STATE
VIRGINIA

AIRBILL NO. **594127144**

ZIP ACCOUNT ZIP CODE REQUIRED FOR CORRECT BILLING
71512101

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM

ZIP ACCOUNT ZIP CODE REQUIRED FOR OVERNIGHT DELIVERY
21211111

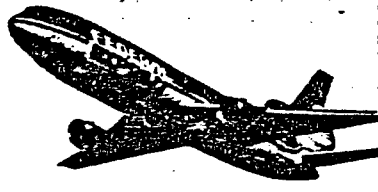
YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)
SAAA ROUS 40311

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card

Cash in Advance Account Number/Credit Card Number **6200-7751-4**

CARRIAGE HEREOF, F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

SERVICES CHECK ONLY ONE BOX		DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED	PACKAGES	WEIGHT	DECLARED VALUE	OS
<input checked="" type="checkbox"/> PRIORITY 1	<input type="checkbox"/> OVERNIGHT LETTER	<input type="checkbox"/> HOLD FOR PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER REQUIRED.				
<input type="checkbox"/> 1 OVERNIGHT PARCEL (up to 70 LBS.)	<input type="checkbox"/> 6 (up to 70 LBS.)	<input checked="" type="checkbox"/> DELIVER				
<input type="checkbox"/> COURIER PAK	<input type="checkbox"/> 7	<input type="checkbox"/> 3 SUFFICIENT SERVICE REQUIRED See Package Class charges table for delivery.				
<input type="checkbox"/> 2 OVERNIGHT ENVELOPE (up to 2 LBS.)	<input type="checkbox"/> 8	<input type="checkbox"/> 4 RESTRICTED ARTICLES SERVICE (R-1 and R-2) See Restricted Articles Service charges table for delivery.	TOTAL	TOTAL	TOTAL	
<input type="checkbox"/> 3 OVERNIGHT BOX (up to 5 LBS.)	<input type="checkbox"/> 9	<input type="checkbox"/> 5 (See Restricted Articles Service charges table for delivery)				
<input type="checkbox"/> 4 OVERNIGHT TUBE (up to 5 LBS.)		<input type="checkbox"/> 6 (See Restricted Articles Service charges table for delivery)				
<input type="checkbox"/> STANDARD AIR		<input type="checkbox"/> 7 OTHER SPECIAL SERVICE				
<input type="checkbox"/> 5 DELIVERY TWO BUSINESS DAY FOLLOWING PICK UP (up to 70 LBS.)		<input type="checkbox"/> 8				
		<input type="checkbox"/> 9				
<p>*OVERNIGHT* IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY); TWO DAYS FROM ALASKA/HAWAII; SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING."</p>			<p>RECEIVED AT SHIPPER'S DOOR <input type="checkbox"/> REGULAR STOP <input type="checkbox"/> ON-CALL STOP 9/1 <input type="checkbox"/> F.E.C. LOC.</p> <p>Federal Express Corporation Employee No.</p> <p>DATE/TIME For Federal Express Use</p>			



FEDERAL EXPRESS USE

FREIGHT CHARGES

DECLARED VALUE CHARGE

AGT/PRO ADVANCE ORIGIN

AGT/PRO ADVANCE DESTINATION

OTHER

TOTAL CHARGES

PART# 2041730751
FEC-S-0751 D/O/B
REVISION DATE
2/83 GBF
PRINTED USA

SHIPPER'S COPY

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

127



71011 \$117

YOUR FEDERAL EXPRESS ACCOUNT NUMBER
0752-5840-2

DATE
3/23/84

TO (YOUR NAME)
J. PAUL OXER

TO (RECIPIENT'S NAME)
JANET BECKMAN Hold For Pick-Up or Saturday Delivery. Recipient's Phone Number

COMPANY
ECOLOGY & ENVIRONMENT INC

COMPANY
VERSAR INC, P.O. BOX 1549

DEPARTMENT/FLOOR NO
DEPARTMENT/FLOOR NO

STREET ADDRESS
1509 MAIN ST STE 614

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)
6850 VERSAR CENTER

CITY STATE
DALLAS TX

CITY STATE
SPRINGFIELD VIRGINIA

AIRBILL NO. 594127181
OUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)
SAM R05840311

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT INVOICING
713121311

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card
 Cash in Advance Account Number/Credit Card Number 0200-2731-4

CARRIAGE HEREOF F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE

FEDERAL EXPRESS USE
FREIGHT CHARGES
DECLARED VALUE CHARGE

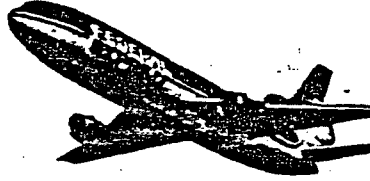
SERVICES CHECK ONLY ONE BOX
 PRIORITY 1
 OVERNIGHT LETTER
 OVERNIGHT PARCEL (ADD IN 78 LBS.)
 COURIER PAK 70
 OVERNIGHT ENVELOPE (ADD IN 7 LBS.)
 OVERNIGHT BOX (ADD IN 5 LBS.)
 OVERNIGHT TUBE (ADD IN 5 LBS.)
 STANDARD AIR
 DELIVERY FRI BUSINESS DAY FOLLOWING PICK-UP (ADD IN 78 LBS.)
 OVERNIGHT IS NEXT BUSINESS DAY MONDAY THROUGH FRIDAY. TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING."

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED
 HOLD FOR PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN. SERVICE GUIDE RECIPIENT'S PHONE NUMBER REQUIRED.
 DELIVERY SERVICE REQUIRED (SEE SERVICE GUIDE FOR RESTRICTIONS)
 RESTRICTED ARTICLE SERVICE (FRAGILE AND UNUSUAL OR PERISHABLE ART. ONLY)
 SEE SHIPPER'S SERVICE GUIDE FOR RESTRICTIONS
 DELIVERY TO...
 OTHER SPECIAL SERVICE
 703-750-3000

PACKAGES	WEIGHT	DECLARED VALUE	OS
1			
TOTAL	TOTAL	TOTAL	

RECEIVED AT
 SHIPPER'S DOOR
 REGULAR STOP
 ON-CALL STOP
 F.E.C. LOC. 871
 Federal Express Corporation Employee No.
 DATE/TIME For Federal Express Use

AGT/PRO 0022-623
 AGT/PRO 26100
 ADVANCE ORIGIN
 ADVANCE DESTINATION
 OTHER
 TOTAL CHARGES
 PART# 2041730751
 FEC-S-0751 D/O/B
 REVISION DATE
 2/83 GBF
 PRINTED USA



SHIPPER'S COPY

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

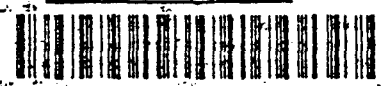
287052634

YOUR FEDERAL EXPRESS ACCOUNT NUMBER

0752-5840-2

DATE

3-22-84



FROM (Your Name) **J. PAUL OXER**

COMPANY **ECOLGY & ENVIRONMENT INC** DEPARTMENT/FLOOR NO. **2**

STREET ADDRESS **1509 MAIN ST STE 214**

CITY **BALLERS** STATE **TX**

TO (Recipient's Name) **Paul Oxer** If Held For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY **Paul Oxer** DEPARTMENT/FLOOR NO. **2**

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DESIRABLE)

CITY **Dallas** STATE **TX**

AIRBILL NO. **287052634**

ZIP **75201**

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM CARRIAGE HEREOF. F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY, UNLESS YOU DECLARE A HIGHER VALUE. THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

ZIP **75201**

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE) **SALES-3-22-84-3**

PAYMENT Bill Shipper Bill Recipient's P.C. Bill on Party P.C. Acct. Bill Credit Card

Cash in Advance Account Number/Credit Card Number **42007734**


SERVICES	DELIVERY AND SPECIAL HANDLING	PACKAGES	WEIGHT	DECLARED VALUE	OS
<input type="checkbox"/> PRIORITY 1 <input type="checkbox"/> Overnight Pick-up (Add 70 LBS.)	<input type="checkbox"/> HOLD FOR PICK-UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER IS REQUIRED.				
<input checked="" type="checkbox"/> 4 2 3	<input checked="" type="checkbox"/> DELIVER TO RECIPIENT'S HOME OR BUSINESS ADDRESS				
<input type="checkbox"/> STANDARD SERVICE DAY FOLLOWING PICK-UP (Add 70 LBS.)	<input type="checkbox"/> RESTRICTED ARTICLE SERVICE (See and Observe Air Package tags and labels)				
<input type="checkbox"/> ORNAMENTALS MATERIAL ONLY	<input type="checkbox"/> DELIVER TO RECIPIENT'S HOME OR BUSINESS ADDRESS (See and Observe Air Package tags and labels)				
<input type="checkbox"/> "OVERNIGHT" IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY); TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING."	<input type="checkbox"/> DELIVER TO RECIPIENT'S HOME OR BUSINESS ADDRESS (See and Observe Air Package tags and labels)				
	<input type="checkbox"/> DELIVER TO RECIPIENT'S HOME OR BUSINESS ADDRESS (See and Observe Air Package tags and labels)				
	<input type="checkbox"/> DELIVER TO RECIPIENT'S HOME OR BUSINESS ADDRESS (See and Observe Air Package tags and labels)				
	<input type="checkbox"/> DELIVER TO RECIPIENT'S HOME OR BUSINESS ADDRESS (See and Observe Air Package tags and labels)				

RECEIVED AT **SHIPPER'S DOOR**
 REGULAR STOP
 ON-CALL STOP
 P.E.C. LOC.

Federal Express Corporation Employer No.

DATE/TIME For Federal Express Use

FEDERAL EXPRESS USE	
FREIGHT CHARGES	
DECLARED VALUE CHARGE	
ADVANCE ORIGIN	
ADVANCE DESTINATION	
OTHER	
TOTAL CHARGES	
PART 42041730764	
REVISION DATE 10/82S	
PRINTED U.S.A.	



SHIPPER'S COPY

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

127

71011 #75

YOUR FEDERAL EXPRESS ACCOUNT NUMBER

0752-5840-2

DATE

3/22/84



FROM (YOUR NAME)

J. Paul Oxen

TO (Recipient's Name)

Angie Frye

If Mail For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY

DEPARTMENT/FLOOR NO.

ECOLOGY & ENVIRONMENT INC

COMPANY

DEPARTMENT/FLOOR NO.

Mead Chem Chem

STREET ADDRESS

2500 MAIN ST STE 614

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)

3308 Chapel Hill/Alexandria

CITY

STATE

CITY

STATE

DALLAS TX

Raleigh Triangle Park NC

AIRBILL NO. 594127435

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT SHIPPING 7521011

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM CARRIAGE HEREOF. F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

ZIP ACCURATE ZIP CODE REQUIRED FOR PROMPT DELIVERY 2711015

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)

SAIRO 840311

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card Cash in Advance Account Number/Credit Card Number 0200-7751-4

SERVICES CHECK ONLY ONE BOX

PRIORITY 1 OVERNIGHT LETTER

OVERNIGHT PACKAGED (Add to 7 LBS.) 6 (Add to 2 LBS.)

COURIER PAK 7

OVERNIGHT ENVELOPE (Add to 7 LBS.) 8

OVERNIGHT BOX (Add to 1 LBS.) 9

OVERNIGHT TUBE (Add to 5 LBS.)

STANDARD AIR

DELIVERY TWO BUSINESS DAYS FOLLOWING PICK-UP (Add to 70 LBS.)

OVERNIGHT IS NEXT BUSINESS DAY MONDAY THROUGH FRIDAY. TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S.

SEE "SPECIAL HANDLING"

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

HOLD FOR PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE SLIDE. RECIPIENT'S PHONE NUMBER REQUIRED

DELAY

SECURITY SERVICE REQUIRED (See Reverse Slide for charges upon delivery.)

RESTRICTED ARTICLES SERVICE (P-1 and Standard Air Packages only, extra charge)

SEE Shipper's Security Service Manual, extra charge applies

SEE ICE _____ LBS.

OTHER SPECIAL SERVICE _____

PACKAGES	WEIGHT	DECLARED VALUE	DIS
TOTAL	TOTAL	TOTAL	

RECEIVED AT SHIPPER'S DOOR REGULAR STOP ON-CALL STOP F.E.C. LOC. C 11

Federal Express Corporation Employee No. _____

DATE/TIME For Federal Express Use _____

FEDERAL EXPRESS USE

FREIGHT CHARGES _____

DECLARED VALUE CHARGE _____

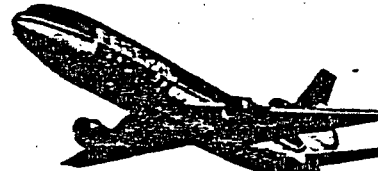
AGT/PRO _____ ADVANCE ORIGIN _____

AGT/PRO _____ ADVANCE DESTINATION _____

OTHER _____

TOTAL CHARGES _____

PART# 2041730751
FEC-S-0751 D/O/B
REVISION DATE
2/83 QBF
PRINTED USA



SHIPPER'S COPY

FEDERAL EXPRESS

PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

594127155

71012#116

YOUR FEDERAL EXPRESS ACCOUNT NUMBER

0752-9840-2

DATE

3-22-84



FROM (Your Name)

J. Paul Over

TO (Recipient's Name)

Annex Five

If Hold For Pick-Up or Saturday Delivery, Recipient's Phone Number

COMPANY

DEPARTMENT/FLOOR NO.

ECOLOGY & ENVIRONMENT INC

COMPANY

DEPARTMENT/FLOOR NO.

Meed Cona Chem

STREET ADDRESS

1509 MAIN ST STE 814

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)

3308 Chapel Hill / Alston H.

CITY

STATE

DALLAS TX

CITY

STATE

Research Triangle Park NC

AIRBILL NO. 594127155

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT SHIPPING 71521012

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT F.E.C. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM

ZIP ACCURATE ZIP CODE REQUIRED FOR OVERNIGHT DELIVERY 2171019

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)

SAM R06870311

CARRIAGE HEREOF, F.E.C. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH ON REVERSE OF SHIPPER'S COPY. UNLESS YOU DECLARE A HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS CORPORATION IS LIMITED TO \$100.00. FEDERAL EXPRESS DOES NOT CARRY CARGO LIABILITY INSURANCE.

FEDERAL EXPRESS USE

FREIGHT CHARGES

DECLARED VALUE CHARGE

PAYMENT Bill Shipper Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C. Acct. Bill Credit Card Cash in Advance Account Number/Credit Card Number 6200-7751-4

SERVICES		DELIVERY AND SPECIAL HANDLING		PACKAGES	WEIGHT	DECLARED VALUE	D/S	
CHECK ONLY ONE BOX		CHECK SERVICES REQUIRED						
PRIORITY 1 <input checked="" type="checkbox"/> PHENOMENON PACKAGES (45 to 70 LBS.) <input type="checkbox"/> COURIER PAK		<input type="checkbox"/> HOLD FOR PICK UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER REQUIRED.						
<input type="checkbox"/> OVERNIGHT ENVELOPE (45 to 2 LBS.) <input type="checkbox"/> OVERNIGHT BOX (45 to 5 LBS.) <input type="checkbox"/> OVERNIGHT TUBE (45 to 5 LBS.)		<input checked="" type="checkbox"/> DELAY <input type="checkbox"/> SATURDAY SERVICE REQUIRED (See Reverse for Service Areas for delivery.) <input type="checkbox"/> RESTRICTED ARTICLES SERVICE (P-1 and Standard for Permitted only, items exempt)		TOTAL	TOTAL	TOTAL		
STANDARD AIR <input type="checkbox"/> DELIVERY TWO BUSINESS DAY FOLLOWING PICK UP (45 to 70 LBS.)		<input type="checkbox"/> SEE SHIPPER'S SERVICE MANUAL , each charge applies. <input type="checkbox"/> DRY ICE _____ LBS. <input type="checkbox"/> OTHER SPECIAL SERVICE _____		RECEIVED AT SHIPPER'S DOOR <input type="checkbox"/> REGULAR STOP <input type="checkbox"/> ON-CALL STOP <input type="checkbox"/> F.E.C. LOC.				
OVERNIGHT IS NEXT BUSINESS DAY MONDAY THROUGH FRIDAY; TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE "SPECIAL HANDLING"				Federal Express Corporation Employee No. _____ DATE/TIME For Federal Express Use _____				

AGT/PRO	ADVANCE ORIGIN
AGT/PRO	ADVANCE DESTINATION
	OTHER
TOTAL CHARGES	
PART# 2041730751 FEC-S-0751 D/O/B REVISION DATE 2/83 GBF PRINTED USA	



SHIPPER'S COPY

AIRBILL OF
CARRIER

0026-3712 #67

0026-3712

SHIPPER'S NAME AND ADDRESS
 J. Paul Oker
 Ecology & Environment, Inc
 1509 Main #814
 Dallas 75201

SHIPPER'S ACCOUNT NUMBER
 4700-7251-4

NOT NEGOTIABLE
AIR WAYBILL Southwest Airlift
 (AIR CONSIGNMENT NOTE) SCHEDULED & CHARTER AIR FREIGHT
 P.O. Box 3232
 Albuquerque, New Mexico 87119

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
 J. Beckman
 Versar, Inc.
 6850 Versar Center
 Spring Field, VA 22151

CONSIGNEE'S ACCOUNT NUMBER

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY
 F.E.C. 9
 2700 Pan Am Hwy
 ABR

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE
 ACCOUNT NO.

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ACCOUNTING INFORMATION

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY TO BY

CURRENCY
 CHGS CODE W/T/V/L OTHER
 DECLARED VALUE FOR CARRIAGE
 DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE
 INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof indicate amount to be insured in figures in box marked amount of insurance.

HANDLING INFORMATION

NO. OF PIECES RCP	GROSS WEIGHT	KG	RATE CLASS	CHARGEABLE		RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
				WEIGHT	COMMODITY ITEM NO.			

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A.	X		B.	K.	F.E.C. 594-127-461
	VALUATION CHARGE		DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
D.			C.	L.	
	TAX		SHIPPER'S R.F.C.	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID
I.			AMOUNT TO BE ENTERED BY SHIPPER		ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

SHIPPER certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

Davis Anderson
 SIGNATURE OF SHIPPER OR HIS AGENT

G. COD → CURRENCY

TOTAL PREPAID

TOTAL COLLECT

EXECUTED ON

3/21/84 2:16 P.M. E.E.I. at M. Denver

(Date) (Time) (Place)

SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION

CHARGES AT DESTINATION

TOTAL COLLECT CHARGES

COPY 3
 ORIGINAL FOR SHIPPER

0022-6590

(INORGANICS)

0022-6590

SHIPPER'S NAME AND ADDRESS
J. PAUL OXER
ECOLOGY & ENVIRONMENT, INC
1509 MAIN ST # 814
DALLAS, TX 75201

NOT NEGOTIABLE
AIR WAYBILL Southwest Airlift
 (AIR CONSIGNMENT NOTE) SCHEDULED & CHARTER AIR FREIGHT
 P.O. Box 6232
 Albuquerque, New Mexico 87119

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
JANET BECKMAN
VERSAR INC, P.O. Box 1549
6850 VERSAR CENTER
SPRINGFIELD, VA 22151

CONSIGNEE'S ACCOUNT NUMBER
0200-7751-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY
F&C
2700 Pan Am Hwy
46Q

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE
 ACCOUNT NO.

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY

CURRENCY CMAA CODE WT/NAL OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION
 FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance. TC

HANDLING INFORMATION These commodities licensed by US for ultimate destination. Destination contrary to US law is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	Kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO					

PREPAID	WEIGHT CHARGE	COLLECT	* UP ZONE	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
				B.	K.	F&C 594-127-424
	VALUATION CHARGE		DEL ZONE	DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST ADVANCE
				C.	L.	
	TAX			SHIPPER'S R.F.C. -AMOUNT TO BE ENTERED BY SHIPPER-	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID
					F.	ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

SHIPPER certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

David Anderson
 SIGNATURE OF SHIPPER OR HIS AGENT

G. COD → CURRENCY

TOTAL PREPAID TOTAL COLLECT EXECUTED ON

CURRENCY CONVERSION RATE TOTAL COLLECT IN DESTINATION CURRENCY

3/2/54 215 EST at M Dessey
 (Date) (Time) (Place)
 SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION

CHARGES AT DESTINATION TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

0022-6612

#46

0022-6612

SHIPPER'S NAME AND ADDRESS
J. PAUL OXER
ECOLOGY & ENVIRONMENT, INC.
1509 MAIN ST #814
DALLAS, TX 75201

CARRIER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL
 (AIR CONSIGNMENT NOTE)
Southwest Airlines
 P.O. Box 9232
 Albuquerque, New Mexico 87119
 SCHEDULED & CHARTER AIR FREIGHT

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

CONSIGNEE'S NAME AND ADDRESS
Angie Frye
Mead Comp Chem
3308 Chapel Hill, Nelson Hwy
Research Triangle Park, N.C.

CONSIGNEE'S ACCOUNT NUMBER

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY
27709

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE
 ACCOUNT NO.
 AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ACCOUNTING INFORMATION

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY

CURRENCY
 CHGS CODE W/T/V/L OTHER
 PRO COLL PRO COLL
 DECLARED VALUE FOR CARRIAGE
 DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION
 FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE
 INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance.
 TC

HANDLING INFORMATION
 These commodities licensed by US for ultimate destination
 Division carriers in US use is prohibited

NO. OF PIECES RCP	GROSS WEIGHT	RATE CLASS	CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A.	VALUATION CHARGE		B.	K.	F.E.C. 594-123-450
D.	TAX		DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
I.			C.	L.	
			SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID / ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT
 TOTAL OTHER CHARGES DUE CARRIER
 Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

David Anderson

SIGNATURE OF SHIPPER OR HIS AGENT

COD →

TOTAL PREPAID / TOTAL COLLECT
 EXECUTED ON
 3/2/54 2:12 EST
 (Date) (Time) at (Place)
 SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION
 CHARGES AT DESTINATION
 TOTAL COLLECT CHARGES

COPY 3
 ORIGINAL FOR SHIPPER

SHIPPER'S NAME AND ADDRESS
 J. Paul Oxen
 Ecology & Environment
 1509 Main #814
 Dallas TX 75201

SHIPPER'S ACCOUNT NUMBER
 0200-7251-4

NOT NEGOTIABLE
AIR WAYBILL Southwest Airline
 AIR CONSIGNMENT NOTE SCHEDULED & CHARTER AIR FREIGHT
 P.O. Box 9232
 Albuquerque, New Mexico 87119
 Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
 Angle Frye
 Mead Compu/Chem
 3308 Chapel Hill/Nelson Hwy
 Research Triangle Park, N.C.

CONSIGNEE'S ACCOUNT NUMBER
 2709

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY
 2709

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE ACCOUNT NO.

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY TO BY

CURRENCY CARRIERS CODES WT/NAL OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance TC

HANDLING INFORMATION These commodities licensed by US for ultimate destination. Overseas carriers to US land is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	Kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO.					

PREPAID WEIGHT CHARGE COLLECT
 VALUATION CHARGE
 TAX
 SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)
 OTHER CHARGES AND DESCRIPTION
 ITEMS PREPAID ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT
 TOTAL OTHER CHARGES DUE CARRIER
 COD → CURRENCY
 EXECUTED ON
 SIGNATURE OF SHIPPER OR HIS AGENT
David Anderson

CURRENCY CONVERSION RATES
 TOTAL COLLECT IN DESTINATION CURRENCY
 3/21/84 2:16 EST
 (Date) (Time) at (Place)
 SIGNATURE OF ISSUING CARRIER OR ITS AGENT
M. J. [Signature]

FOR CARRIERS USE ONLY AT DESTINATION
 CHARGES AT DESTINATION
 TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

0022-6570 #21

22-6575

SHIPPER'S NAME AND ADDRESS
J. PAUL SXER
ECOLOGY & ENVIRONMENT, NC
1509 MAIN ST #814
DALLAS, TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL **Southwest Airlines** P.O. Box 9232
 (AIR CONSIGNMENT NOTE) SCHEDULED & CHARTER AIR FREIGHT Albuquerque, New Mexico 87119
 Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
Angie Fye
Meach Comp Chem
3308 Chappel Hill/Nelson Hwy
Research Triangle Park NC 27709

CONSIGNEE'S ACCOUNT NUMBER
0200-7951-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.
TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY
F.C.C.
2400 Pan Am Hwy
USA

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE ACCOUNT NO.

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY

CURRENCY CARRIER CODES WTN/AL OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION FOR CARRIER USE ONLY FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance. TC

HANDLING INFORMATION: These commodities restricted by US for unbranded destination. Declaration territory to US use is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	Kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO.					

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A	X		B.	K.	FSC 594-127-441
VALUATION CHARGE			DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
D.			C.	L.	
TAX			SHIPPER'S R.F.C.	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID
I.			J.	F.	ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT
 TOTAL OTHER CHARGES DUE CARRIER
 Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.
x Davis Anderson
 SIGNATURE OF SHIPPER OR HIS AGENT

G. COD → EXECUTED ON

TOTAL PREPAID TOTAL COLLECT
 CURRENCY CONVERSION RATE TOTAL COLLECT IN DESTINATION CURRENCY
 3/21/94 2:08 P.M. E.S.T.
 (Date) (Time) at (Place)
 SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION
 CHARGES AT DESTINATION TOTAL COLLECT CHARGES
 (ALL COLLECT CHARGES IN DESTINATION CURRENCY)

0022-6531

#14

022-6531

SHIPPERS NAME AND ADDRESS
J. PAUL OXER
ECOLOGY & ENVIRONMENT, INC.
1509 MAIN ST #814
DALLAS, TX 75201

SHIPPERS ACCOUNT NUMBER

NOT NEGOTIABLE

AIR WAYBILL

(AIR CONSIGNMENT NOTE)

Southwest Airline

SCHEDULED & CHARTER AIR FREIGHT

P.O. Box 9232
 Albuquerque, New Mexico 87119

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
Steve Kunen
Fred C. Hart Assoc
Regulated Substance Lab
Denver Federal Center
Ste. 53
Denver, Co. 80225

CONSIGNEE'S ACCOUNT NUMBER

20077514

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIERS AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE

ACCOUNT NO.

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION

TO BY FIRST CARRIER TO BY TO BY

CURRENCY

CHRG CODE

WTA/AL

OTHER

DECLARED VALUE FOR CARRIAGE

DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION

FOR CARRIER USE ONLY
 FLIGHT/DATE

FLIGHT/DATE

AMOUNT OF INSURANCE

INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance.

TC

HANDLING INFORMATION

These commodities licensed by US for ultimate destination

Designate Country to US for in parentheses

NO. OF PIECES RCP	GROSS WEIGHT	Kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO					

PREPAID	WEIGHT CHARGE	COLLECT	# UP ZONE	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
	X					F26284-052-636
	VALUATION CHARGE		DEL ZONE	DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
	TAX			SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID
						ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

David Anderson
 SIGNATURE OF SHIPPER OR HIS AGENT

G. COD	CURRENCY	EXECUTED ON
		3/22/84 2:45 EST
TOTAL PREPAID	TOTAL COLLECT	(Date) (Time) at (Place)
CURRENT COMMISSION RATES	TOTAL COLLECT IN DESTINATION CURRENCY	SIGNATURE OF ISSUING CARRIER OR ITS AGENT
		<i>M. Dennis</i>

FOR CARRIERS USE ONLY AT DESTINATION	CHARGES AT DESTINATION	TOTAL COLLECT CHARGES

SHIPPER'S NAME AND ADDRESS
J. PAUL CHER
ECOLOGY & ENVIRONMENT, INC
1509 MAIN ST #814
DALLAS, TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE

AIR WAYBILL

Southwest Airlift

P.O. Box 9232
Albuquerque, New Mexico 87119

(AIR CONSIGNMENT NOTE)

SCHEDULED & CHARTER AIR FREIGHT

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
Angie Frie
Mead Comp Chem
3308 Chapel Hill/Nelson Hwy
Research Triangle Park, N.C. 27709

CONSIGNEE'S ACCOUNT NUMBER

0200-7751-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE

ACCOUNT NO.

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE, ADDR OF FIRST CARRIER, AND REQUESTED ROUTING

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY TO BY

CURRENCY
 CHG CODE W/TVAL OTHER
 PRO COLL PFC COLL
 DECLARED VALUE FOR CARRIAGE
 DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE
 INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance.
 TC

HANDLING INFORMATION These commodities regulated by US for ultimate destination. Division contrary to US law is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	RATE CLASS COMMODITY ITEM NO	CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL DIMENSIONS OR VOLUME)

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A.	VALUATION CHARGE		B.	K.	F.E.C. 594-127-435
D.	TAX		C.	L.	DESCRIPTION OF DEST. ADVANCE
J.			SHIPPER'S R.F.C. AMOUNT TO BE ENTERED BY SHIPPER	F.	OTHER CHARGES AND DESCRIPTION
					ITEMS PREPAID
					ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

SHIPPER CERTIFIES THAT THE PARTICULARS ON THE FACE HEREOF ARE CORRECT AND THAT INsofar AS ANY PART OF THE CONSIGNMENT CONTAINS RESTRICTED ARTICLES, SUCH PART IS PROPERLY DESCRIBED BY NAME AND IS IN PROPER CONDITION FOR CARRIAGE BY AIR ACCORDING TO APPLICABLE NATIONAL GOVERNMENT REGULATIONS, AND FOR INTERNATIONAL SHIPMENTS, THE CURRENT INTERNATIONAL AIR TRANSPORT ASSOCIATION'S RESTRICTED ARTICLES REGULATIONS.

Davis Anderson
SIGNATURE OF SHIPPER OR HIS AGENT

EXECUTED ON

3/22/94 2:45 P.M. at E.E.I. (Place)

M. Wernery
SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION

CHARGES AT DESTINATION

TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

AIRPORT OF DEPARTURE

0022-6503

116

022-6553

SHIPPER'S NAME AND ADDRESS
J. PAUL OXER
ECOLOGY & ENVIRONMENT, INC
1509 MAIN ST # 814
DALLAS TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE

AIR WAYBILL



P.O. Box 9232
 Albuquerque, New Mexico 87119

(AIR CONSIGNMENT NOTE)

SCHEDULED & CHARTER AIR FREIGHT

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS

Angie Frye
Mead Corp. Chem
3308 Chapel Hill/Nelson Hwy
Research Triangle Park, NC 27709

CONSIGNEE'S ACCOUNT NUMBER

0200-7751-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE

ACCOUNT NO.

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADOR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION

TO BY FIRST CARRIER TO BY TO BY

CURRENCY

CHRG CODE	WT/VOL	OTHER
	PPD COL	PPD COLL
	<input checked="" type="checkbox"/>	

DECLARED VALUE FOR CARRIAGE

DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION

FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE

INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof indicate amount to be insured in figures in box marked amount of insurance.

TC

HANDLING INFORMATION These commodities exempt by US for ultimate destination

Overseas consignment to US use is prohibited

NO. OF PIECES RCP	GROSS WEIGHT	AG B	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO					

PREPAID		WEIGHT CHARGE		COLLECT		# UP ZONE	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE	
A.		X					B.	K.	FEL. 594-127-135	
D.		VALUATION CHARGE				DEL. ZONE	DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE	
I.		TAX				J.	SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID	ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

Davis Anderson

SIGNATURE OF SHIPPER OR HIS AGENT

g. COD → CURRENCY

TOTAL PREPAID

TOTAL COLLECT

EXECUTED ON

CURRENCY CONVERSION RATES

TOTAL COLLECT IN DESTINATION CURRENCY

3/22/84 2:45 P.M. at E.E.I.

(Date) (Time) (Place)

M. W. ...

SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION

CHARGES AT DESTINATION

TOTAL COLLECT CHARGES

0022-6542 #10 (INORGANICS) 0022-6542

SHIPPER'S NAME AND ADDRESS
J. PAUL OXER
ECOLOGY & ENVIRONMENT, INC
1509 MAIN ST #814
DALLAS, TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL Southwest Airlift
 (AIR CONSIGNMENT NOTE) SCHEDULED & CHARTER AIR FREIGHT
 P.O. Box 9232
 Albuquerque, New Mexico 87119

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS

JANET BECKMAN
VERSAR, INC.
6850 VERSAR CENTER
SPRINGFIELD, VA 22151

CONSIGNEE'S ACCOUNT NUMBER

0200-7751-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIERS AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE

ACCOUNT NO.

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION

TO BY FIRST CARRIER TO BY TO BY

CURRENCY CARRIERS CODES W/TOTAL OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION

FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance. TC

HANDLING INFORMATION

NO. OF PIECES RCP	GROSS WEIGHT	PKGS	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO	CLASS				

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A	X		B	K	FEC. 594-127-144
	VALUATION CHARGE		DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
D			C	L	
	TAX		SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID / ITEMS COLLECT
J					

TOTAL OT-EP CHARGES DUE AGENT

TOTAL OT-ER CHARGES DUE CARRIER

SHIPPER certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

David Anderson
 SIGNATURE OF SHIPPER OR HIS AGENT

COD →

TOTAL PREPAID

TOTAL COLLECT

EXECUTED ON **3/22/42:45** **EST**
 (Date) (Time) at (Place)

SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION

CHARGES AT DESTINATION

TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

0022-6870

#73

0022-6870

SHIPPER'S NAME AND ADDRESS
Paul Oker
Ecology & Environment, Inc
1509 Main Suite 814
Dallas, TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL **Southwest Airlines**
(AIR CONSIGNMENT NOTE) SCHEDULED & CHARTER AIR FREIGHT
 P.O. Box 9232
 Albuquerque, New Mexico 87119

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

CONSIGNEE'S NAME AND ADDRESS
Dr. William Langley
Houston EPA Lab
6608 Horn Wood Dr.
Houston, TX 77074

CONSIGNEE'S ACCOUNT NUMBER
0200-7751-4

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIERS AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE
 ACCOUNT NO.
FE 286968102

ACCOUNTING INFORMATION
REF SAM ROL 840311

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY TO BY

CURRENCY
 CHG CODE WTNAL OTHER
 DECLARED VALUE FOR CARRIAGE
 DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION
 FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE
 INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance.
 TC

HANDLING INFORMATION These commodities licensed by US for ultimate destination
 Diversion contrary to US law is prohibited

NO. OF PIECES RCP	GROSS WEIGHT	kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO					
1								

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP ZONE	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE	
A.			B.		K.		
	VALUATION CHARGE		DEL. ZONE	DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE	
D.			C.		L.		
	TAX		SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)		OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID	ITEMS COLLECT
I.			J.				

TOTAL OTHER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

Davis Anderson

SIGNATURE OF SHIPPER OR HIS AGENT

G. COD → CURRENCY

TOTAL PREPAID

TOTAL COLLECT

EXECUTED ON

3-23-81 11:30 PM
 (Date) (Time) at (Place)

SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION

CHARGES AT DESTINATION

TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

0022-6866

107

022-6866

SHIPPER'S NAME AND ADDRESS
Paul Oxer
 Ecology & Environment Inc
 1509 Main St. Suite 874
 Dallas, Tx 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE

AIR WAYBILL

Southwest Airlines

P.O. Box 9232
 Albuquerque, New Mexico 87119

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
Steve Kuren
 Fred C. Hart Associates
 Regulated Substance Lab of NIEIC
 Denver Federal Center, Bldg 53
 Denver, Co. 80225

CONSIGNEE'S ACCOUNT NUMBER

0200-7761-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIERS AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE
 ACCOUNT NO.
FE 286 968 113

ACCOUNTING INFORMATION
RE SAM ROG 82034

AIRPORT OF DEPARTURE (A) OR OF FIRST CARRIER AND REQUESTED ROUTING

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY TO BY

CURRENCY CHGS. COLLECT WT/VOL OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE: if shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance. TC

HANDLING INFORMATION These commodities licensed by US for limited shipment. Dispatch contrary to US law is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	RATE CLASS	CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
1						

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A		26.00	B	K	
	VALUATION CHARGE		DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
D			C	L	
	TAX		SHIPPER'S R.F.C. AMOUNT TO BE ENTERED BY SHIPPER	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID ITEMS COLLECT
I			J	F	

TOTAL OTHER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that inssofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

David Anderson
 SIGNATURE OF SHIPPER OR HIS AGENT

COD →

TOTAL PREPAID TOTAL COLLECT EXECUTED ON

3-23-89 11:30 AM
 (Date) (Time) at (Place)

SIGNATURE OF ISSUING CARRIER'S AGENT

FOR CARRIERS USE ONLY AT DESTINATION

CHARGES AT DESTINATION TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

AIRPORT OF DEPARTURE

0026-3745 33

026-3745

SHIPPER'S NAME AND ADDRESS
J. PAUL OXER
ECOLOGY & ENVIRONMENT INC
1509 MAIN ST #814
DALLAS, TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL
(AIR CONSIGNMENT NOTE)
Southwest Airlines
SCHEDULED & CHARTER AIR FREIGHT
P.O. Box 9232
Albuquerque, New Mexico 87119

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.
It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

CONSIGNEE'S NAME AND ADDRESS
Angie Frye
Mead Compel Chen
3308 Chapel Hill / Nelson Hwy
Research Triangle Park, NC. 27709

CONSIGNEE'S ACCOUNT NUMBER
0200-7751-4

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIERS AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE

ACCOUNT NO.
FE 594 127 170

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
TO BY FIRST CARRIER TO BY TO BY

CURRENCY CHGS CODE WT/VOL OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION

FOR CARRIER USE ONLY
FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE: If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance TC

HANDLING INFORMATION These commodities licensed by US for wartime operations. Diversion contrary to US law is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	Kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL DIMENSIONS OR VOLUME)
			COMMODITY	ITEM NO				
/								

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A.	VALUATION CHARGE	26	B.	K.	
D.	TAX		C.	L.	
I.	SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)		OTHER CHARGES AND DESCRIPTION		ITEMS PREPAID / ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT
TOTAL OTHER CHARGES DUE CARRIER
Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

G. COD → CURRENCY
SIGNATURE OF SHIPPER OR HIS AGENT
David Anderson

TOTAL PREPAID TOTAL COLLECT EXECUTED ON
3-23-84 11:30 AM
(Date) (Time) at (Place)

CURRENCY CONVERSION RATES TOTAL COLLECT IN DESTINATION CURRENCY
SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION
CHARGES AT DESTINATION TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

0026-3756 # 44

INORGANICS

0026-3756

SHIPPER'S NAME AND ADDRESS
J. PAUL OXER
ECOLOGY & ENVIRONMENT, INC.
1509 MAIN ST #814
DALLAS, TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL Southwest Airlift
(AIR CONSIGNMENT NOTE) SCHEDULED & CHARTER AIR FREIGHT
 P.O. Box 9232
 Albuquerque, New Mexico 87119
 Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
JANET BECKMAN
VERSAR INC., P.O. BOX 1549
6850 VERSAR CENTER
SPRINGFIELD, VA 22151

CONSIGNEE'S ACCOUNT NUMBER
0200-7751-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE

ACCOUNT NO.
FE 594 127 164

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
 TO BY FIRST CARRIER TO BY TO BY

CURRENCY CDSB CODE W/T/V/L OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION FOR CARRIER USE ONLY
 FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE-if shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance. TC

HANDLING INFORMATION These commodities insured by US for shipment destination. Destination country to US not prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	RATE CLASS	CHARGEABLE		RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			WEIGHT	COMMODITY ITEM NO.			
1							

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
		26			
	CALLATION CHARGE		DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
	TAX		SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID / ITEMS COLLECT

TOTAL CARRIER CHARGES DUE AGENT

TOTAL OTHER CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

Doris Anderson

SIGNATURE OF SHIPPER OR HIS AGENT

g. COD → CURRENCY

TOTAL PREPAID TOTAL COLLECT EXECUTED ON

3-23-84 (Date) (Time) at (Place)

J. Paul Oxer
 SIGNATURE OF ISSUING CARRIER OR ITS AGENT

CURRENCY CONVERSION RATE TOTAL COLLECT IN DESTINATION CURRENCY

FOR CARRIERS USE ONLY AT DESTINATION CHARGES AT DESTINATION TOTAL COLLECT CHARGES

ALL COLLECT CHARGES IN DESTINATION CURRENCY

COPY 3 ORIGINAL FOR SHIPPER

AIRPORT OF DEPARTURE

0026-3723 # 111

0026-3723

SHIPPER'S NAME AND ADDRESS
J. Paul Oyer
Ecology & Environment Inc.
1509 MAIN STREET, SUITE 814
DALLAS, TEXAS 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL **Southwest Airlift** P.O. Box 9232
(AIR CONSIGNMENT NOTE) Albuquerque, New Mexico 87119
SCHEDULED & CHARTER AIR FREIGHT
Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
Bill Davis
Rocky Mountain Analytical
6530 Marshall St
Arvada CO 80002

CONSIGNEE'S ACCOUNT NUMBER
0200-7701-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.
TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE ACCOUNT NO.
FE 594 127 203

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
TO BY FIRST CARRIER TO BY TO BY

CURRENCY CLOSURE DATE WT/VOL OTHER DECLARED VALUE FOR CARRIAGE DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION FOR CARRIER USE ONLY
FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE INSURANCE-If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance. TC

HANDLING INFORMATION These commodities licensed by US for ultimate destination. Diversion contrary to US law is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	Kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO.					
/								

PREPAID	WEIGHT CHARGE	COLLECT	PUP ZONE	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A		<i>20.00</i>		B.	K.	
	VALUATION CHARGE		DEL. ZONE	DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
D.				C.	L.	
	TAX			SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID
I.				J.	F.	ITEMS COLLECT

TOTAL OTHER CHARGES DUE AGENT
TOTAL OTHER CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.
Davis Anderson
SIGNATURE OF SHIPPER OR HIS AGENT

G. COD → CURRENCY
TOTAL PREPAID TOTAL COLLECT EXECUTED ON

CURRENCY CONVERSION RATES TOTAL COLLECT IN DESTINATION CURRENCY
3-23-84 11:30
(Date) (Time) at (Place)
J. Pennington
SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION CHARGES AT DESTINATION TOTAL COLLECT CHARGES

COPY 3 ORIGINAL FOR SHIPPER

ISSUES OF
DEPARTURE

0023-373

31

26-3734

SHIPPER'S NAME AND ADDRESS J. PAUL OYER ECOLOGY & ENVIRONMENT, INC. 1509 MAIN ST #814 DALLAS - TEXAS 75201		SHIPPER'S ACCOUNT NUMBER	NOT NEGOTIABLE AIR WAYBILL (AIR CONSIGNMENT NOTE)		Southwest Airlift SCHEDULED & CHARTER AIR FREIGHT	P.O. Box 9232 Albuquerque, New Mexico 87119
CONSIGNEE'S NAME AND ADDRESS Angie Frye Mead Con Packem 3308 Chapel Hill / Nelson Hwy Research Triangle Park, NC 27709		CONSIGNEE'S ACCOUNT NUMBER 0200-7751-4	Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.			
ISSUING CARRIER'S AGENT NAME AND CITY		ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)				

It is agreed that the goods described herein are accepted in apparent good order and condition except as noted for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

AGENTS IATA CODE	ACCOUNT NO. FE 594 127 192	ACCOUNTING INFORMATION					
AIRPORT OF DEPARTURE (ADD OF FIRST CARRIER) AND REQUESTED ROUTING							
ROUTING AND DESTINATION		CURRENCY	CHGS CODE	WT/VOL	OTHER	DECLARED VALUE FOR CARRIAGE	DECLARED VALUE FOR CUSTOMS
TO	BY FIRST CARRIER	TO	BY	TO	BY		
AIRPORT OF DESTINATION		FOR CARRIER USE ONLY		AMOUNT OF INSURANCE		INSURANCE - If shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance.	
FLIGHT/DATE		FLIGHT/DATE				TC	

HANDLING INFORMATION: These conditions imposed by US for overseas shipments. Overweight penalty to US law is prohibited.

NO. OF PIECES RCP	GROSS WEIGHT	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
		COMMODITY ITEM NO.					

PREPAID	WEIGHT CHARGE	COLLECT	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A.		26	B.	K.	
VALUATION CHARGE			DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
D.			C.	L.	
TAX			SHIPPER'S R.F.C.	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID
			(AMOUNT TO BE ENTERED BY SHIPPER)	F.	ITEMS COLLECT

TOTAL OF PREPAID CHARGES DUE AGENT

TOTAL OF PREPAID CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

David Anderson
SIGNATURE OF SHIPPER OR HIS AGENT

G. COD	TOTAL PREPAID	TOTAL COLLECT	EXECUTED ON
		26	3-23-84 PM 11:17
CURRENCY COMPARISON RATE	TOTAL COLLECT IN DESTINATION CURRENCY	(Date)	(Time) at (Place)
			SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION	CHARGES AT DESTINATION	TOTAL COLLECT CHARGES

0022-6564

#22

0022-6564

SHIPPERS NAME AND ADDRESS J. PAUL OXER ECOLOGY & ENVIRONMENT INC 1509 MAIN ST # 814 DALLAS, TX 75201		SHIPPERS ACCOUNT NUMBER 		NOT NEGOTIABLE AIR WAYBILL <small>(AIR CONSIGNMENT NOTE)</small> Southwest Airlines <small>SCHEDULED & CHARTER AIR FREIGHT</small> P.O. Box 9232 Albuquerque, New Mexico 87119	
CONSIGNEE'S NAME AND ADDRESS Bill Davis Rocky Mtn Analytical 5530 Marshall St. Arvada CO 80002		CONSIGNEE'S ACCOUNT NUMBER 020-7751-4		Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity. It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.	
ISSUING CARRIERS AGENT NAME AND CITY 		ACCOUNTING INFORMATION 		ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION) 	
AGENTS IATA CODE 		ACCOUNT NO. FE 594 127 413		AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING 	
ROUTING AND DESTINATION TO BY FIRST CARRIER TO BY TO BY		CURRENCY 		DECLARED VALUE FOR CARRIAGE 	
AIRPORT OF DESTINATION 		FOR CARRIER USE ONLY FLIGHT/DATE FLIGHT/DATE		AMOUNT OF INSURANCE 	
HANDLING INFORMATION <small>These commodities accepted by US for unlimited destination</small>		 		<small>Conversion currency to US use is preferred</small>	

NO. OF PIECES RCP	GROSS WEIGHT	Kg lb	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO					

PREPAID WEIGHT CHARGE COLLECT 26		PICKUP CHARGES B.		ORIGIN ADVANCE CHARGES K.		DESCRIPTION OF ORIGIN ADVANCE	
VALUATION CHARGE		DELIVERY CHARGES C.		DEST. ADVANCE CHARGES L.		DESCRIPTION OF DEST. ADVANCE	
TAX		SHIPPER'S R.F.C. <small>(AMOUNT TO BE ENTERED BY SHIPPER)</small>		OTHER CHARGES AND DESCRIPTION F.		ITEMS PREPAID ITEMS COLLECT	
TOTAL OTHER CHARGES DUE AGENT		Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.					
TOTAL OTHER CHARGES DUE CARRIER		Signature of Shipper or his Agent: Davis Anderson					
COD → CURRENCY		EXECUTED ON 3-23-77 at 2711 J.P. <small>(Date) (Time) (Place)</small>					
TOTAL PREPAID		TOTAL COLLECT 26		SIGNATURE OF ISSUING CARRIER OR ITS AGENT			
CURRENCY CONVERSION RATES		TOTAL COLLECT IN DESTINATION CURRENCY		 			
FOR CARRIERS USE ONLY AT DESTINATION		CHARGES AT DESTINATION		TOTAL COLLECT CHARGES			

COPY 3 ORIGINAL FOR SHIPPER

Provide at least two copies to the air carrier

SHIPPER'S CERTIFICATION FOR RESTRICTED ARTICLES (excluding radioactive materials)

Two completed and signed copies of this certification shall be handed to the carrier. (Use block letters)

WARNING: Failure to comply in all respects with the applicable regulations of the Department of Transportation, 49-CFR, CAB 82 and, for international shipments, the IATA Restricted Articles Regulations may be a breach of the applicable law, subject to legal penalties. This certification shall in no circumstance be signed by a consolidator, a forwarder, or an IATA Cargo Agent.

This shipment is within the limitations prescribed for: (mark one)

passenger aircraft and cargo aircraft cargo-only aircraft

Number of Packages	Article Number (Int'l only See Section IV IATA RAR)	Proper Shipping Name of Articles as shown in Title 49 CFR, CAB 82 Tariff 6-D, and (for int'l shipments) the IATA Restricted Articles Regulations. Specify each article separately. Technical name must follow in parenthesis, the proper shipping name for N.O.S. items.	Class	IATA Packing Note No. Applied (int'l only)	Net Quantity of Each Package	Flash Point (closed cup) For Flammable Liquids	
						°C.	°F.
1		Flammable Liquid N.O.S. UN1993 Limited Quantity	Flammable Liquid		4002		

Special Handling Information:

I hereby certify that the contents of this consignment are fully and accurately described above by Proper Shipping Name and are classified, packed, marked, labelled and in proper condition for carriage by air according to applicable national governmental regulations, and for international shipments, the current IATA Restricted Articles Regulations.

Name and full address of Shipper

J Paul Oxer
Ecology & Environment Inc
1509 Alton St Suite 814
Ottawa, Ont. K1G 3G1

Name and title of person signing Certification

David Anderson
FTT Chemist

Date

3-22-84

Signature of the Shipper (see WARNING above)

David Anderson

Air Waybill No.

0022-6531

Airport of Departure

Fortin, Ont. Air

Airport of Destination

Denver, Co.

A PORT OF DEPARTURE

0022-6855 #117

0022-6855

SHIPPER'S NAME AND ADDRESS
J PAUL OXER
ECOLOGY & ENVIRONMENT, INC.
1509 MAIN ST #814
DALLAS, TX 75201

SHIPPER'S ACCOUNT NUMBER

NOT NEGOTIABLE
AIR WAYBILL Southwest Airlines
AIR CONSIGNMENT NOTE SCHEDULED & CHARTER AIR FREIGHT
P.O. Box 9232
Albuquerque, New Mexico 87119
Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

CONSIGNEE'S NAME AND ADDRESS
JANET BECKMAN
VERSAR INC., P.O. Box 1549
6850 VERSAR CENTER
SPRINGFIELD, VA 22151

CONSIGNEE'S ACCOUNT NUMBER
0200-7751-4

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN OF THE NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON.

ISSUING CARRIER'S AGENT NAME AND CITY

ALSO NOTIFY NAME AND ADDRESS (OPTIONAL ACCOUNTING INFORMATION)

AGENTS IATA CODE
ACCOUNT NO.
FE 694 127 181

ACCOUNTING INFORMATION

AIRPORT OF DEPARTURE (ADDR OF FIRST CARRIER) AND REQUESTED ROUTING

ROUTING AND DESTINATION
TO BY FIRST CARRIER TO BY TO BY

CURRENCY
DECLARED VALUE FOR CARRIAGE
DECLARED VALUE FOR CUSTOMS

AIRPORT OF DESTINATION
FOR CARRIER USE ONLY
FLIGHT/DATE FLIGHT/DATE

AMOUNT OF INSURANCE
INSURANCE-if shipper requests insurance in accordance with conditions on reverse hereof, indicate amount to be insured in figures in box marked amount of insurance.
TC

HANDLING INFORMATION These commodities insured by US for ultimate destination. Overseas carriage to US not permitted.

NO. OF PIECES RCP	GROSS WEIGHT	Kg	RATE CLASS		CHARGEABLE WEIGHT	RATE / CHARGE	TOTAL	NATURE AND QUANTITY OF GOODS (INCL. DIMENSIONS OR VOLUME)
			COMMODITY ITEM NO.					

PREPAID	WEIGHT CHARGE	COLLECT	PUP ZONE	PICKUP CHARGES	ORIGIN ADVANCE CHARGES	DESCRIPTION OF ORIGIN ADVANCE
A.				B.	K.	
	VALUATION CHARGE		DEL ZONE	DELIVERY CHARGES	DEST. ADVANCE CHARGES	DESCRIPTION OF DEST. ADVANCE
D.				C.	L.	
	TAX			SHIPPER'S R.F.C. (AMOUNT TO BE ENTERED BY SHIPPER)	OTHER CHARGES AND DESCRIPTION	ITEMS PREPAID ITEMS COLLECT
I.				J.	F.	

TOTAL OTHER CHARGES DUE AGENT
TOTAL OTHER CHARGES DUE CARRIER

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains restricted articles, such part is properly described by name and is in proper condition for carriage by air according to applicable national government regulations, and for international shipments, the current International Air Transport Association's Restricted Articles Regulations.

David Anderson
SIGNATURE OF SHIPPER OR HIS AGENT

G. COD → CURRENCY
TOTAL PREPAID
TOTAL COLLECT
EXECUTED ON

3-23-84 11120
(Date) (Time) at (Place)
SIGNATURE OF ISSUING CARRIER OR ITS AGENT

FOR CARRIERS USE ONLY AT DESTINATION
CHARGES AT DESTINATION
TOTAL COLLECT CHARGES

COPY 3
ORIGINAL FOR SHIPPER



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

1201 ELM STREET
DALLAS, TEXAS 75270

3-23-84

(Date)

RECEIPT FOR SAMPLES

NAME AND TITLE OF EPA REPRESENTATIVE:

Paul Oxer
J. PAUL OXER
PTT (Ecology & Environment)
(Signature)

SAMPLES COLLECTED:

Date Collected	SAMPLE NUMBER	TIME	PLACE COLLECTED	TYPE	VOLUME	SPLIT SAMPLE	
						REQUESTED	PROVIDED
3/21/84	10	0930 0955	Group below side of trap pond & Spring	lig	3/4 gal	No	No
3/21/84	14	1011 1039	Sump E of trap pond Mid Sump	soil	90 oz	yes	yes
3/21/84	14	1011 1039	"	lig	3/4 gal	No	No
3/21/84	11	1426 1138	Truck Area Sump NW Corner	soil	200g	No	No
3/21/84	11	"	Truck Area Sump Mid N Bank	lig	3/4 gal	No	No
3/21/84	11	"	Truck Area Sump NE Corner	oil	8oz	No	No
3/21/84	17	1340 1400	Sump below lower overflow pond	soil	200g	No	No
3/21/84	17	1340 1400	"	lig	≅ 1.8 gal	No	No
3/21/84	18	1420- 1435	Leachate spring 25 ft below discharge point	lig	3/4 gal	No	No

ACKNOWLEDGEMENT OF FACILITY REPRESENTATIVE

The undersigned acknowledges that the samples described above have been collected.

NAME, TITLE AND ADDRESS OF FACILITY REPRESENTATIVE:

Alan L. Williams
(Signature) 3-23-84
(Date)

DISTRIBUTION:

- One copy facility representative
- One copy for inspector's records
- Original to Regional Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

1201 ELM STREET

DALLAS, TEXAS 75270

3-23-84

(Date)

RECEIPT FOR SAMPLES

NAME AND TITLE OF EPA REPRESENTATIVE:

J. Paul Over
PTT VI (EQUINE & ENV. Div.)
J. Paul Over
(Signature)

SAMPLES COLLECTED:

Date Collected	SAMPLE NUMBER	TIME	PLACE COLLECTED	TYPE	VOLUME	SPLIT SAMPLE	
						REQUESTED	PROVIDED
3/21/84	18	1420-1425	Leachate spring 2ft below landing	Soil	20oz	No	No
3/21/84	19	1355-1405	Pt. stained terrace W of leachate spring	Soil	20oz	No	No
3/21/84	20	1345-1347	Arroyo directly N of East Freshwater Pond	Soil	80oz	No	No
3/20/84	07	1340-1410	West End of Leachate Pond 2-4ft	Soil	20oz	No	No
3/22/84	07	0830-0850	2-2.5ft depth soil downing 2ft N of 3/22/84 boring	Soil	20oz	yes	yes
3/20/84	08	1420-1445	East side of Leachate Pond 3ft	Soil	20oz	No	No
3/20/84	15	1505	50ft SW of Boring #08 South side of Leachate Pond	Sudge	8oz	No	No
3/20/84	16	1523	20ft N of Boring #08 E end of Leachate Pond	Sudge	8oz	No	No
3/22/84	16	0830-0850	20ft N of Boring #08, E end of Leachate Pond	Sudge	8oz	yes	yes

ACKNOWLEDGEMENT OF FACILITY REPRESENTATIVE

The undersigned acknowledges that the samples described above have been collected.

NAME, TITLE AND ADDRESS OF FACILITY REPRESENTATIVE:

Alan J. Williams
(Signature) 3-23-84
(Date)

DISTRIBUTION:

- One copy facility representative
- One copy for inspector's records
- Original to Regional Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

1201 ELM STREET
DALLAS, TEXAS 75270

3-23-84
(Date)

RECEIPT FOR SAMPLES

NAME AND TITLE OF EPA REPRESENTATIVE:

J. Paul Oyer
PII II (Ecology & Env. Div)
J Paul Oyer
(Signature)

SAMPLES COLLECTED:

SAMPLE NUMBER	TIME	PLACE COLLECTED	TYPE	VOLUME	SPLIT SAMPLE	
					REQUESTED	PROVIDED
13B	1525-1535	SW corner of N Evap. pond	Sludge	500g	No	No
13A	1458-1520	SE corner of N evap pond diff W of adjacent pipe	liq	3/4gal	No	No
13A	1458-1520	" "	Sludge	640g	yes	yes
12B	1543-1600	West of S evap.	liq	3/4gal	No	No
12B	"	"	Sludge	640g	yes	yes
12A	1355-1415	Middle of S bank of pond	Sludge	480g	No	No
29	1615-1630	Plastic wrap on N of evap pond	liq	3/4gal	No	No

Date Collected
3/22/84
3/22/84
3/22/84
3/22/84
3/22/84
3/22/84
3/22/84

ACKNOWLEDGEMENT OF FACILITY REPRESENTATIVE

he undersigned acknowledges that the samples described above have been collected.

NAME, TITLE AND ADDRESS OF FACILITY REPRESENTATIVE:

Walter K. Hanson
Walter K. Hanson
(Signature) 3-23-84
(Date)

NOTATION:

- One copy facility representative
- One copy for inspector's records
- Original to Regional Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

1201 ELM STREET
DALLAS, TEXAS 75270

3-20-84

(Date)

RECEIPT FOR SAMPLES

NAME AND TITLE OF EPA REPRESENTATIVE: J Paul Olier

FIT - Ecology & Environment, Inc

[Signature]
(Signature)

SAMPLES COLLECTED:

Date Collected	SAMPLE NUMBER	TIME	PLACE COLLECTED	TYPE	VOLUME	SPLIT SAMPLE	
						REQUESTED	PROVIDED
3/20/84	02	0957 1015	S Bank of Hammond Ditch, adjacent to W corner of ABE	lig	3/4 gal	NO	—
"		0958	S. Bank of Hammond	soil	40 20 02	YES	YES
3/20/84	03	1115	Ditch by W. Freshwater Pond	lig	3/4 gal	NO	—
"		1201	85' E. of NE corner of spray irrigation	soil	40 02 20 02	YES	YES
3/20/84	05	1208	126' W. of NE corner of spray irrigation area.	soil	50 02 20 02	YES	YES
3/20/84	06	1212 1215	in North Ditch	soil	50 02 20 02	YES	YES
3/21/84	09	0921 0934	Tamiasb Area Effluent	soil	40 02	yes	yes
3/21/84	10	0930 0955	Arroyo below E side of Camp Pond at springhead	soil	40 02	No	No
3/21/84	09	0921 0934	Tamiasb Area Effluent	lig.	3/4 gal	No	No

ACKNOWLEDGEMENT OF FACILITY REPRESENTATIVE

The undersigned acknowledges that the samples described above have been collected.

NAME, TITLE AND ADDRESS OF FACILITY REPRESENTATIVE:

[Signature] 3-24-84
(Signature) (Date)

DISTRIBUTION:

- One copy facility representative
- One copy for inspector's records
- Original to Regional Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

1201 ELM STREET

DALLAS, TEXAS 75270

(Date)

RECEIPT FOR SAMPLES

NAME AND TITLE OF EPA REPRESENTATIVE:

J. Paul Ober
EPA & ENVIRONMENT, Inc.
(Signature)

SAMPLES COLLECTED:

Date Collected	SAMPLE NUMBER	TIME	PLACE COLLECTED	TYPE	VOLUME	SPLIT SAMPLE	
						REQUESTED	PROVIDED
3/22/84	19	0955-1000	Stained Terrace w. fleechates spring	Soil-Sd.	20 oz	yes	yes
3/22/84	27	1050-112	Rubean Well #4 (O)	Water	3/4 gal	No	No
3/22/84	23	1325-1350	South API Pond	Sudge	18 oz	yes	yes
3/22/84	28	1350-1405	SPRAY Irrig. Area Plateau well #5	Water	3/4 gal	No	No
3/22/84	25	1310-1330	NE API Pond	Water	3/4 gal	No	No
3/22/84	24	1355-1410	NE API Pond	lig	3/4 gal	No	No
3/22/84	24	1355-1410	NE API POND	Sudge	48 150 oz	yes	yes
3/22/84	26	1452-1502	Pond N of API ponds	lige	3/4 gal	No	No
3/22/84	26	"	"	sedo.	200z	No	No

ACKNOWLEDGEMENT OF FACILITY REPRESENTATIVE

The undersigned acknowledges that the samples described above have been collected.

NAME, TITLE AND ADDRESS OF FACILITY REPRESENTATIVE:

(Signature) 3-23-84 (Date)

DISTRIBUTION:

- One copy facility representative
- One copy for inspector's records
- Original to Regional Office