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TES VIII WORK ASSIGNMENT NO. C04119
SITE INSPECTION PRIORITIZATION
TERRELL DRIVE DUMP
DANVILLE, BOYLE COUNTY, KENTUCKY
EPA ID NO. KYD980839849
WASTELAN NO. 2151

SITE: Terrell Drive
BREAK: 1.9
OTHER: VI

EPA REGION:	IV
CONTRACT NO.:	68-W9-0005; TES VIII
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U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION IV

by

DYNAMAC CORPORATION

December 2, 1993

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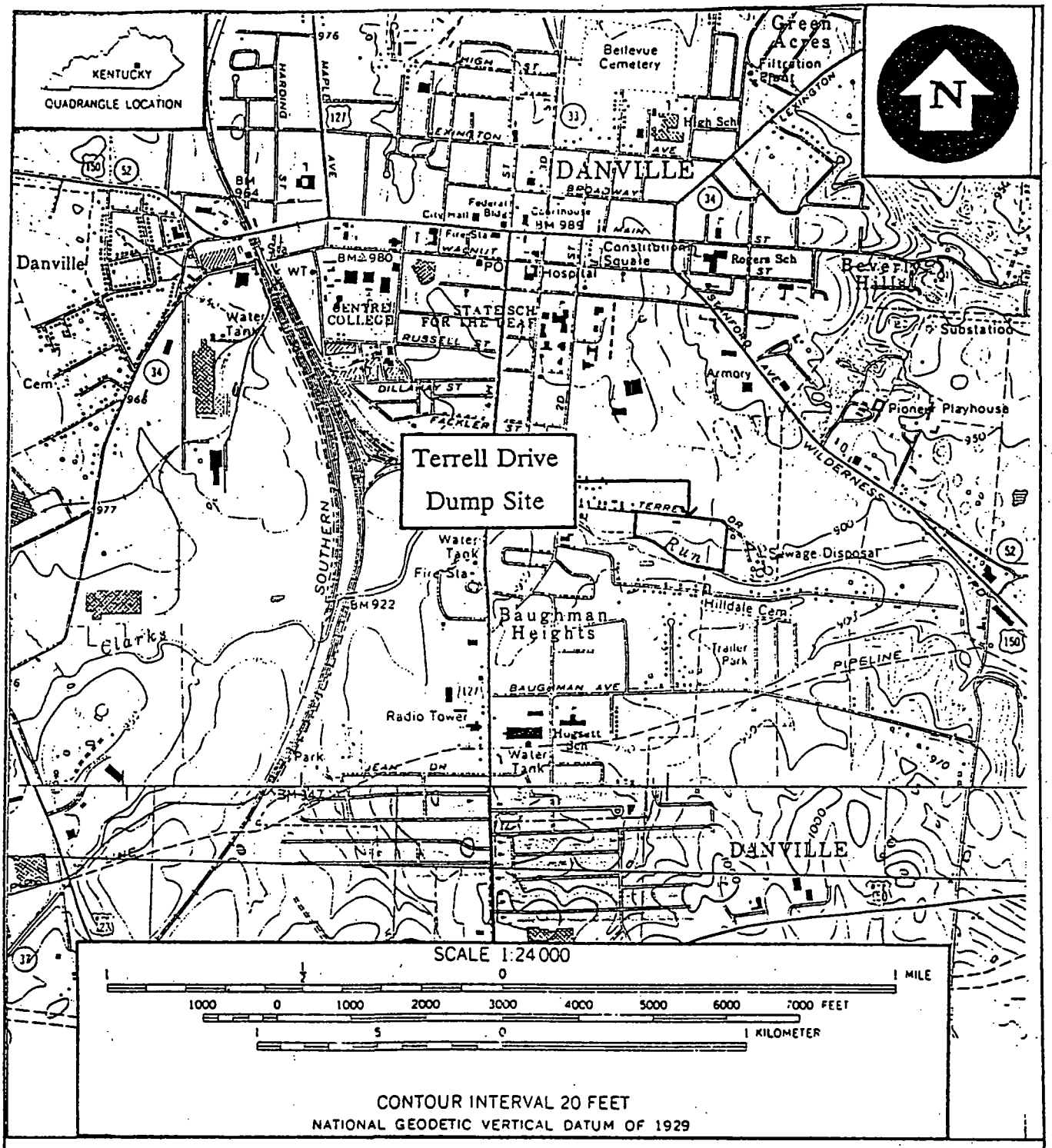
Introduction

Dynamac Corporation (Dynamac) has conducted this Site Inspection Prioritization (SIP) at the request of EPA Region IV under the Technical Enforcement Support (TES VIII) contract, Work Assignment No. C04119. The objective of this SIP has been to evaluate the characteristics of the site and surrounding areas in order to provide a recommendation concerning further activities at the site. In order to achieve this objective, Dynamac has gathered and assimilated all readily available existing information concerning the Terrell Drive Dump (the dump) and has either assembled or confirmed data concerning the population and environments in the vicinity of the dump. Pertinent elements of the data gathered and evaluated are presented in the sections that follow. Any informational gaps in the data evaluated are also identified.

Site History and Description

Terrell Drive Dump is located in Danville, Boyle County, Kentucky, adjacent to Terrell Drive at 37° 38′ 00″ latitude north and 84° 45′ 54″ longitude west (see Figure 1) (Ref. 1). The dump is inactive and occupies an estimated 10 acres of land with a playground on the west end and a maintenance building along the north central side (Refs. 1; 2, p. 3; 3, p. 1). There is no documentation indicating whether the dump is fenced. From 1970 to 1975, the city of Danville owned and operated the dump as an unpermitted landfill. Terrell Drive Landfill may have been operated as a city dump prior to 1970; however, available file material does not provide conclusive information regarding the dump prior to 1970 (Refs. 2, p. 3; 4, p. 2). The current owner of the property is not documented in available file information.

The dump is located in a residential and commercial area in Danville. The nearest residence is located approximately 150 feet northwest of the dump (Ref. 1). Terrell Drive forms the northern boundary of the Terrell Drive Dump, and Clarks Run Creek forms the southern boundary. Residences and vacant land lie along the western and eastern boundaries (see Figure 2) (Ref. 1).



Source: Base map is a portion of the USGS 7.5 Minute Series Topographic Quadrangle Maps of Danville (1967) and Junction City (1952), Kentucky.

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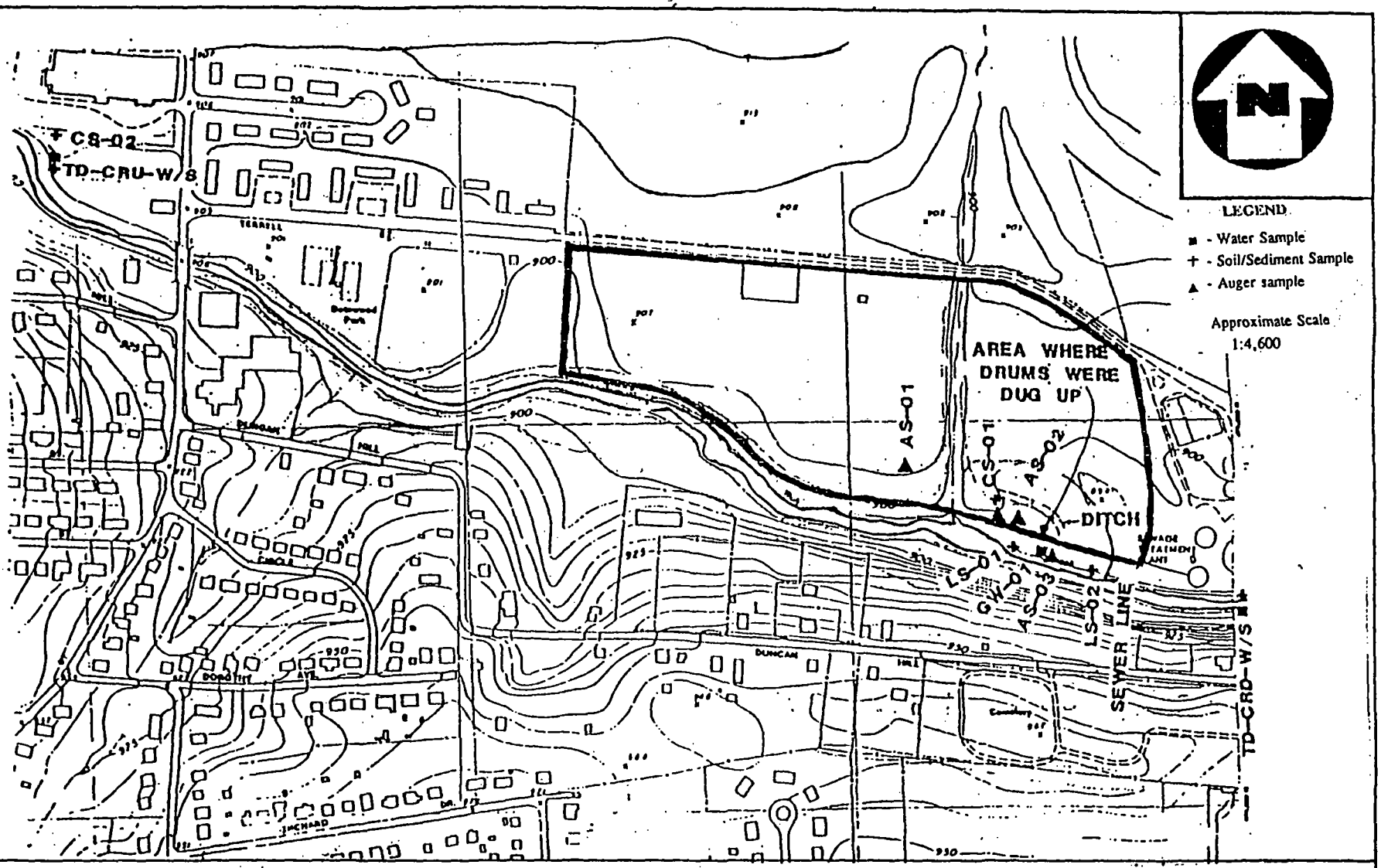
FIGURE 1: SITE LOCATION MAP
TERRELL DRIVE DUMP SITE
Danville, Boyle County, Kentucky



Source: Base map is modified from the Sampling Investigation Report, NUS Corporation, 1984.

DYNAMAC CORPORATION
Environmental Services

FIGURE 2: SITE LAYOUT MAP
TERRELL DRIVE DUMP SITE
Danville, Boyle County, Kentucky

The normal annual precipitation in the area is 48 inches, and the normal annual lake evaporation is 35 inches, resulting in a net annual precipitation of 13 inches (Ref. 6, pp. 46, 63). The 2-year, 24-hour rainfall for the area is about 3.2 inches (Ref. 7, p. 2).

In August 1980, construction workers discovered buried drums in the southeast portion of the dump during installation of new sewer lines which crossed the dump. One drum was ruptured during construction activities and is reported to have contained a cloudy liquid with an odor similar to paint thinner. The drums were covered, and no further action was taken at that time. State file material indicates that the drums were not reported at the time of discovery due to local political pressure (Refs. 2, p. 1; 4, p. 2). In early 1983, the new Danville city manager notified Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC) of the existence of the buried drums (Ref. 4, p. 2). According to KNREPC, a letter in the Danville files indicated in 1971 that the Danville City Manager granted Whirlpool Corporation (Whirlpool) approval to dispose of solid paint waste containing lead, chromium, strontium, zinc and xylene at the Terrell Drive Dump. Although it is not known whether Whirlpool deposited the drums at the dump, the new Danville city manager in 1983 assumed that the drums contained xylene and were from Whirlpool. Whirlpool has generated xylene wastes and was granted approval to dispose of solid paint wastes containing xylene at the dump in 1971. According to the KNREPC, the following industries operated during the same time the city operated the dump and may have also used the dump: ATR (formerly Firestone Wire and Cable), Rexnord, Genesco, Corning Glass Works and Certified Brake (formerly Royal Industries) (Ref. 2, p. 2).

Regulatory History and Exclusions

According to the August 1984 NUS Corporation (NUS) Site Investigation (SI) Report, the Terrell Drive Dump was operated as a landfill and was never regulated or permitted under RCRA (Ref. 4, p. 2). No other permits are documented in available file information, and current site conditions are not known (Ref. 5).

Summary of Previous Investigations

In 1979, KNREPC conducted a site inspection at the dump followed by a Preliminary Assessment (PA) in 1983. In the PA, KNREPC recommended that a site inspection be conducted. No sampling was conducted during the PA; however, NUS collected groundwater, surface water, sediment, surface soil and subsurface soil samples during the SI it conducted at the dump from November 7 to November 11, 1983. According to KNREPC, no other site investigations have been conducted at the dump subsequent to 1983 (Refs. 3, pp. 1 - 2; 4; 5).

Table 1 presents elevated levels of contaminants detected in composite soil, sediment, surface water and leachate samples collected during the SI. The concentration of an analyte is considered elevated if the concentration is greater than or equal to three times the concentration in the background or control sample or greater than or equal to the Minimum Quantitation Limit (MQL) if not detected in the background/control. No analytical data indicating contaminant release to groundwater or ambient air has been documented. Additionally, no air samples have been collected.

TABLE 1

TERRELL DRIVE DUMP
DANVILLE, BOYLE COUNTY, KENTUCKY
SAMPLING INVESTIGATION
NOVEMBER 7-11, 1983

Summary of Analytical Data

SAMPLE NUMBER	SAMPLE TYPE	SAMPLE LOCATION	ANALYTICAL RESULTS		REFERENCE(S)
CRU-W	Surface Water	Clarks Run Creek, upstream of Terrell Drive Dump.	Arsenic Cyanide Bis(2-ethylhexyl)phthalate	10 (U) ug/l 0.01 (U) ug/l 5 (U) ug/l	4, pp. 11, 13, 14, 23, 24, 32
CRD-W	Surface Water	Clarks Run Creek, downstream of Terrell Drive Dump.	Arsenic Cyanide Bis(2-ethylhexyl)phthalate	14 ug/l 15 ug/l 300 ug/l	4, pp. 11, 13, 14, 25, 26, 29
CRU-S	Sediment	Clarks Run Creek, upstream of Terrell Drive Dump.	Dieldrin DDD PCB-1260 Beryllium Cobalt Vanadium	0.2 (U) ug/kg 1.1 ug/kg 4 (U) ug/kg 250 (U) ug/kg 3,000 ug/kg 10,000 (U) ug/kg	4, pp. 11, 13, 17, 18, 47, 100
CRD-S	Sediment	Clarks Run Creek, downstream of Terrell Drive Dump.	Dieldrin DDD PCB-1260 Beryllium Cobalt Vanadium	1.0 ug/kg 8.4 ug/kg 240 ug/kg 3,000 ug/kg 21,000 ug/kg 50,000 ug/kg	4, pp. 11, 13, 17, 18, 46, 101

Note: Footnotes for Table 1 are located at the end of the table on page 7.

TABLE 1, concluded

TERRELL DRIVE DUMP
DANVILLE, BOYLE COUNTY, KENTUCKY
SAMPLING INVESTIGATION
NOVEMBER 7-11, 1983

Summary of Analytical Data

SAMPLE NUMBER	SAMPLE TYPE	SAMPLE LOCATION	ANALYTICAL RESULTS		REFERENCE(S)
CS-02	Composite Soil (background)	Field beside bridge on Highway 127 that crosses Clarks Run Creek. Depth unknown.	Dieldrin	0.2 (U) ug/kg	4, pp. 11, 13, 17, 18, 43, 52, 96
			DDD	0.2 (U) ug/kg	
			Barium	74,000 ug/kg	
			Beryllium	550 ug/kg	
			Cobalt	7,500 ug/kg	
			Copper	9,700 ug/kg	
			Lead	50,000 ug/kg	
			Zinc	44,000 ug/kg	
			Mercury	100 (U) ug/kg	
			Manganese	610,000 ug/kg	
			Vanadium	12,000 ug/kg	
			Cyanide	500 (U) ug/kg	
			Total xylenes	20 (J) ug/kg	
			Ethylbenzene	200 (U) ug/kg	
			PCB-1242	4 (U) ug/kg	
			PCB-1248	4 (U) ug/kg	
LS-01	Leachate Soil	Southeast area of Terrell Drive Dump.	Barium	260,000 ug/kg	4, pp. 11, 13, 17, 44, 53
			Beryllium	4,000 ug/kg	
			Cobalt	28,000 ug/kg	
			Cyanide	500 ug/kg	
			Manganese	2,200,000 ug/kg	
LS-02	Leachate Soil	Southeast area of Terrell Drive Dump.	Barium	300,000 ug/kg	4, pp. 11, 13, 17, 45
			Lead	390,000 ug/kg	
			Vanadium	38,000 ug/kg	
CS-01	Composite Soil	Between drainage ditch and soil excavation area; depth unknown.	Dieldrin	45 ug/kg	4, pp. 11, 13, 17, 18, 42, 51, 95
			DDD	34 ug/kg	
			Copper	220,000 ug/kg	
			Lead	480,000 ug/kg	
			Zinc	380,000 ug/kg	
			Mercury	360 ug/kg	
			Cyanide	500 ug/kg	
AS-01	Augered Soil	East-central area of Terrell Drive Dump; depth, 5 feet.	Dieldrin	2.8 ug/kg	4, pp. 11, 13, 17, 18, 39, 97
			DDT	34 ug/kg	
			DDD	97 ug/kg	
			PCB-1242	590 ug/kg	
			PCB-1248	240 ug/kg	
			Zinc	350,000 ug/kg	

Note: Footnotes for Table 1 are located at the end of the table on page 7.

TABLE 1, concluded

TERRELL DRIVE DUMP
DANVILLE, BOYLE COUNTY, KENTUCKY
SAMPLING INVESTIGATION
NOVEMBER 7-11, 1983

Summary of Analytical Data

SAMPLE NUMBER	SAMPLE TYPE	SAMPLE LOCATION	ANALYTICAL RESULTS		REFERENCE(S)
AS-02	Augered Soil	East-central end of Terrell Drive Dump; depth, 10-15 feet.	Zinc	180,000 ug/kg	4, pp. 11, 13, 17, 40
AS-03	Augered Soil	Southeast end of Terrell Drive Dump.	Ethylbenzene Total xylenes	490 ug/kg 5,800 ug/kg	4, pp. 11, 13, 16, 61, 62

U = Analyzed for, but not detected; value shown is the minimum quantitation limit
J = Estimated value
ug/l = Micrograms per liter
ug/kg = Micrograms per kilogram
PCB = Polychlorinated biphenyls

Only one groundwater sample was collected at the dump. Arsenic, barium, chromium, and lead were detected in the groundwater sample; however, no background sample was collected so an observed release to groundwater could not be documented. Surface water sample CRD-W contained elevated levels of methyl ethyl ketone, methyl butyl ketone, carbon disulfide, chloroform and bis(2-ethylhexyl)phthalate; however, the data for surface water sample CRD-W is "suspect" based on Quality Control requirements by EPA, Environmental Services Division. Reportedly, the data can, however, be used as a positive indication of the presence of the reported compounds (Ref. 4, p. 4). The upstream and downstream sediment samples collected from Clarks Run Creek during the SI provide data that indicate the dump may be impacting water quality (Ref. 4, pp. 3, 5). The leachate sample results were compared to composite soil sample CS-02 results. The depth of composite soil sample CS-02 is not known; however it was assumed to have been collected at comparable depths to the subsurface samples collected onsite.

Sources and Waste Characteristics

The area of the site is approximately 10 acres; the actual dump size is unknown (Ref. 3, p. 1). According to a June 21, 1979, KNREPC inspection the dump had not been properly reclaimed, the perimeter was exposed and leachate was observed

entering Clarks Run Creek (Ref. 8). There is no available file information regarding the type or condition of the soil cover or whether the dump has runoff control or a liner. Soil samples collected at the dump during the SI indicate the presence of dieldrin, DDD, barium, beryllium, cobalt, lead, mercury, copper, zinc, vanadium and cyanide above background levels (Ref. 4, pp. 13, 15-18). KNREPC did not have any additional information regarding the dump subsequent to 1983 (Ref. 5).

Groundwater Migration Pathway

The dump is located in the Inner Bluegrass Region of Kentucky, a portion of the Interior Low plateaus physiographic province (Refs. 9; 10, pp. 12 - 13). The topography of the Danville area is characterized by undulating uplands dotted with sinkholes and dissected by small streams (Refs. 1; 11, p 2). The sinkholes are topographic evidence of karstic groundwater conditions. Elevations within a 4-mile radius of the dump range from approximately 750 to 1,340 feet above mean sea level (msl). The elevation of the site is approximately 900 feet above msl (Ref. 1).

The dump is located in the valley of Clarks Run and is mapped as artificial fill with adjacent areas in the valley mapped as alluvium (Ref. 12). Geologic units within a 4-mile radius of the dump include, in descending stratigraphic order: alluvium, the Grier and Curdsville Members of the Lexington Limestone and the Tyrone Limestone. A number of younger limestone units are present in upland areas in the vicinity of the dump. The silt and clay alluvium has a basal layer of gravel and ranges in thickness from 0 to 10 or more feet along small streams in the area (Ref. 13, Sheet 3). The Grier Member is a thinly bedded, light gray, medium- to coarse-grained, poorly sorted, bioclastic limestone alternating with a thinly bedded, nodular fossiliferous limestone. The Grier Member totals 85 to 95 feet thick in the Danville area. The upper part of the Curdsville Member closely resembles the Grier Member, but contains some well-sorted interbeds. The lower portions are crossbedded and contain chert nodules (Refs. 12; 13, Sheet 3). The Tyrone Limestone is very fine-grained and occurs in beds of medium thickness. This unit includes two bentonite layers underlain by thin chert beds (Refs. 12; 13, Sheet 3). The thickness of the Tyrone Limestone is approximately 90 feet in the vicinity of the dump (Ref. 13, Sheet 3). The bedrock dips to the southeast at a rate of approximately 100 feet per mile (Ref. 12). The nearest of several major and minor faults is located 0.25 mile south of the dump (Refs. 12; 13, Sheet 1).

Groundwater in the general vicinity of the dump can be obtained from the alluvium (where it occurs) and most of the limestone bedrock units. However, wells

drilled in the upland areas around the dump generally do not produce enough water for domestic supplies, and the principal aquifers in the vicinity of the dump are located in valley bottoms (Ref. 13, Sheet 2). The Lexington Limestone is a relatively productive aquifer in some stream valleys. The Tyrone Limestone produces almost no water from wells drilled through the overlying rocks because the bentonite beds act to prevent recharge (Ref. 13, Sheet 3). The presence of sinkholes and underground drainage indicates that groundwater flow in the Lexington Limestone is karstic (Ref. 13, Sheet 3). Groundwater in the unconsolidated alluvium is generally under water-table conditions, and the seasonal water table may rise to within 0 to 6 feet of the surface (Ref. 11, pp. 143 - 144). There is no evidence of a confining unit between the Lexington Limestone Members and the alluvium, and these units probably form a single hydraulically connected aquifer.

There are no known groundwater wells within 4 miles of the dump. Wells generally produce too little water for domestic use, and the groundwater is too brackish for consumption (Ref. 15). The Danville Water Department serves all of Boyle County, including rural areas in the vicinity of the dump. The Danville Water Department obtains drinking water from a surface water intake located on Herrington Lake and distributes water to the following six districts: Lake District, Hedgeville, Perryville, Parksville, Junction City and Hustonville. Dynamac has assumed that these districts provide water to homes located in Lincoln County, Kentucky (Refs. 14; 15; 16; 17).

Surface Water Migration Pathway

The soils in the vicinity of the dump that affect runoff are mapped as Elk silt loam on 2- to 6-percent slopes, Dunning silty clay loam and Nolin silt loam (Ref. 11, Map). The Elk silt loam is a deep, well-drained soil with moderate permeability formed in alluvium on stream terraces (Ref. 11, pp. 31, 75). Dunning silty clay loam is a deep, very poorly drained, slowly permeable soil formed in alluvium on floodplains (Ref. 11, pp. 28, 74). The Nolin silt loam is a deep, well-drained, moderately permeable soil formed in alluvium on floodplains (Ref. 11, pp. 46, 82). The dump is located within the 100-year floodplain of Clarks Run Creek (Ref. 18).

Surface water runoff from the dump flows south approximately 100 feet to Clarks Run Creek (Ref. 1). KNREPC observed a visible leachate breakthrough on soils at the dump and leachate entering Clarks Run Creek (Refs. 2, p. 3; 8). Clarks Run Creek flows east and north and ultimately discharges into Herrington Lake approximately 8 miles downstream of the dump (Ref. 1). The flow rate of Clarks Run Creek was not documented, but is likely to be between 10 and 100 cubic feet

per second (cfs). Herrington Lake is an impoundment of the Dix River and has a flow rate of 464 cfs (Refs. 1; 19, p. 86).

No surface water intakes are located on Clarks Run Creek or on Herrington Lake within the 15-mile surface water migration pathway. Intakes are located approximately a half mile downstream of the 15-mile surface water migration pathway (Refs. 1; 14). Both Clarks Run Creek and Herrington Lake are used for recreational fishing (Ref. 20). According to topographic maps of the area, there are no wetlands within the 15-mile surface water migration pathway (Ref. 1). No State- or federally designated threatened or endangered species have been sighted along the 15-mile surface water migration pathway (Ref. 21).

Air Migration and Soil Exposure Pathways

Selected demographic information presented below was collected to evaluate the air migration and soil exposure pathways. Possible impacts of airborne contamination were assumed using the residential population, workers, schools and sensitive environments within 4 miles of the dump. Similarly, potential effects of exposure to surficial contamination at the dump were evaluated using accessibility of the dump and human and environmental populations onsite and within a 1-mile travel distance.

According to available file material, Terrell Drive Dump has been inactive since 1975 (Refs. 2, p. 3; 5). There are no known residents onsite (Ref. 5, p. 1). A playground is located on the west end of the dump, and a housing project is located across Terrell Drive from the playground. A city maintenance garage has also been reported to be located at the dump (Ref. 2, p. 3). There are no schools within 200 feet of the dump (Ref. 1). Available file material did not indicate whether the dump is fenced.

Population distribution within 4 miles of the dump was determined by using the EPA's Graphical Exposure Modelling System (GEMS) data base (Ref. 24). The population reported by GEMS did not match the population areas shown on topographic maps and was reallocated in order to more accurately reflect the actual population distribution (Ref. 22). The estimated number of persons residing within 4 miles of the dump is distributed as follows:

Radial Distance	Population
0 - 0.25 mile	341
0.25 - 0.50 mile	1,022
0.50 - 1 mile	4,091
1 - 2 miles	8,416
2 - 3 miles	896
3 - 4 miles	3,584
Total	18,350

No endangered or threatened species have been sighted at the dump. Several federally designated threatened and endangered species have been sighted in Kentucky; however, their exact locations were not documented (Ref. 20, pp. 1 - 3). Federally endangered species include the gray bat (*Myotis grisescens*), the Indiana bat (*Myotis sodalis*), the eastern cougar (*Felis concolor couguar*), and the bald eagle (*Haliaeetus leucocephalus*). The Arctic peregrine falcon (*Falco peregrinus tundrius*) is a federally threatened species. There are no wetlands located within 4 miles of the dump (Ref. 1).

Conclusion/Recommendation

Elevated levels of dieldrin, DDD, beryllium, cobalt and vanadium were detected in sediment samples collected from Clarks Run Creek, which is a fishery, and in onsite soil samples. These samples were collected in 1983. Dynamac Corporation recommends that onsite samples be collected to characterize the dump and that additional sediment samples be collected from Clarks Run Creek to assess current impact on water quality. Appropriate background samples should be collected for all media.

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10582146 Site ID: KYD980839849

Site Name: Jewell Drive Dump

Nature of Material:

Map:	✓	Computer Disks:	
Photos:		CD-ROM:	
Blueprints:		Oversized Report:	
Slides:		Log Book:	

Other (describe): Radius Map (Ref. 1)

Amount of material:

Please contact the appropriate Records Center to view the material.

References

1. U.S. Geological Survey 7.5 minute series Topographic Quadrangle Maps of Kentucky: Bryantsville 1952 (Photorevised [PR] 1979), Danville 1967 (Photoinspected 1985, PR 1979), Junction City 1952 (PR 1979), Stanford 1961 (PR 1979), scale 1:24,000.

2. Hannah Leonard, Supervisor, Frankfort Field Office, interoffice memorandum with attachment to Barry Burrus, Chief, Uncontrolled Site Section, Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC), July 22, 1983. Subject: Terrell Drive Dump in Danville, Boyle County.

3. Potential Hazardous Waste Site Identification and Preliminary Assessment (EPA Form T2070-2) for Terrell Drive Dump, Danville, Kentucky, filed by Barry Burrus, KNREPC, August 23, 1983.

4. NUS Corporation, Superfund Division, Sampling Investigation Report, Terrell Drive Dump, Danville, Kentucky, prepared under TDD No. F4-8310-05 for the Air and Waste Management Division of EPA (August 27, 1984).

5. Mike Blanton, Environmental Engineer, State Superfund Section, KNREPC, telephone conversation with Russ Crittenden, Dynamac Corporation, November 4, 1993. Subject: Terrell Drive Dump.

6. U.S. Department of Commerce, Climatic Atlas of the United States, (Washington, D.C.: GPO, June 1968), reprint: 1983, National Oceanic and Atmospheric Administration, excerpt, 4 pages.

7. U.S. Department of Commerce, Rainfall Frequency Atlas of the United States, Technical Paper No. 40, (Washington, D.C.: GPO, 1961), excerpt, 3 pages.

8. Marsha Denton, Field Inspector, Non-Hazardous Waste Management Section, Kentucky Department for Natural Resources and Environmental Protection, letter to Roy Arnold, Mayor, City of Danville, July 9, 1979. Subject: Inspection of June 21, 1979 at Terrell Drive Dump.

9. U.S. Geological Survey, Geologic Map of Kentucky, Sesquicentennial Edition of the Kentucky Geological Survey (1988).

10. Charles B. Hunt, Natural Regions of the United States and Canada (San Francisco: W.H. Freeman and Co., 1974), excerpt, 2 pages.

11. U.S. Department of Agriculture, Soil Conservation Service, Soil Survey of Boyle and Mercer Counties, Kentucky (April 1983), excerpt, 10 pages.

12. E.R. Cressman, Geologic Map of the Danville Quadrangle, Mercer and Boyle Counties, Kentucky, (Washington, D.C.: U.S. Geological Survey, 1972), excerpt, 1 plate.

13. W.N. Palmquist, Jr. and F.R. Hall, Availability of Ground Water in Boyle, Garrard, Lincoln, and Mercer Counties, Kentucky, Hydrologic Investigations Atlas HA-20, (Washington, D.C.: U.S. Geological Survey, 1960), excerpt, 3 plates.

14. Tom Crawford, Utility Director, Danville Water Department, telephone conversation with Russ Crittenden, Dynamac Corporation, August 26, 1993. Subject: Drinking water supply for Danville and surrounding areas.

15. Luther Galloway, City Engineer, Danville Water Department, telephone conversation with Dawn Thompson, Dynamac Corporation, September 9, 1993. Subject: Drinking water supply for Danville and surrounding areas.

16. Charlotte Boulind, Environmental Scientist, Dynamac Corporation, project note to Terrell Drive Dump file, November 28, 1993. Subject: Map of Danville Water Department service area.

17. Harold Leach, Mayor, City of Junction City, telephone conversation with Russ Crittenden, Dynamac Corporation, October 25, 1993. Subject: Drinking water supply for Lincoln County.

18. Federal Emergency Management Agency, Flood Insurance Rate Map for City of Danville, Boyle County, Kentucky, Corporate limits, Map 01, Map Index, September 27, 1985.

19. D.L. McClain, F.D. Byrd, and A.C. Brown, Water Resources Data Kentucky Water Year 1990, U.S. Geological Survey Water-Data Report KY-90-1, (Louisville, Kentucky: U.S. Geological Survey, 1991), excerpt, 7 pages.

20. Benjy Kinman, Fishery Program Coordinator, Department of Fish and Wildlife, telephone conversation with Dawn Thompson, Dynamac Corporation, September 9, 1993. Subject: Recreational and commercial fishing in Clarks Run and Herrington Lake.

21. U.S. Fish and Wildlife Service, Endangered and Threatened Species of the Southeast United States (Atlanta, Georgia, 1992), excerpt, 5 pages.

22. Charlotte M. Boulind, Environmental Scientist, Dynamac Corporation, project note to Terrell Drive Dump file, November 28, 1993. Subject: Reallocation of population derived from the Graphical Exposure Modeling System (GEMS) database printout for the area within 4 miles of Terrell Drive Dump.

23. David E. McChesney, Wildlife Biologist, Environmental Section, Kentucky Department of Fish and Wildlife Resources, letter with attachments to Dawn Thompson, Dynamac Corporation, September 9, 1993. Subject: Endangered/ threatened species information for Clark's Run, Boyle County, Kentucky.

24. U.S. Environmental Protection Agency, Graphical Exposure Modeling System (GEMS) Database, compiled from U.S. Bureau of Census data (1990).

REFERENCE NO. 2

JACKIE SWIGART
SECRETARY

JOHN Y. BROWN, J
Governor

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FORT BOONE PLAZA
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

Division of Waste Management

RECEIVED
JUL 29 1983
DIVISION OF
WASTE MANAGEMENT

MEMORANDUM

TO: Barry Burrus, Chief
Uncontrolled Site Section

THROUGH: Carl Schroeder, Manager
Field Operations Branch

FROM: Hannah Leonard, Supervisor
Frankfort Field Office

DATE: July 22, 1983

SUBJECT: Terrell Drive Dump in Danville (Boyle County)

On July 20, 1983 a meeting was held at City Hall in Danville to discuss drums containing potentially hazardous waste discovered at the old city dump. Those in attendance were:

Luthur Galloway	Danville City Engineer
Ed Music	Danville City Manager
John Czarnieck	Supervisor Engineering Services Whirlpool Corp.
Gordon Blackman	Facility Engineer, Whirlpool
T.H. Goodgame	Director, Corporate Environmental Control, Whirlpool

In August, 1980 during the installation of new sewer lines, across the dump, Luthur said some buried drums were discovered. A drum ruptured during the construction contained a material described as a cloudy liquid with an odor similar to paint thinner. According to Luthur, they were not able to have a sample analysed because it contained other wastes and debris. They did not feel it was safe to excavate another drum for sampling.

I asked Luthur why the presence of the drums was not reported three years ago when they were discovered. He indicated he was not able to say anything because of political pressure by the mayor and city manager, Sam Garnett.

An October 1971 letter in the city's files show Whirlpool was given approval by Sam Garnett, the city manager in 1971, to dispose of solid paint waste at the site. Becuase of this letter, characteristics of the waste discovered, and the fact that Whirlpool generates a xylene waste, the city manager felt the drums may contain xylene generated by Whirlpool. The Whirlpool representatives stated they no longer have records that would indicate the type or amount of wastes disposed of by Whirlpool.

Although there is no proof that the drums found at the dump site were generated by Whirlpool, we did discuss the wastes generated at the Danville facility, basically the paint waste and xylene. Whirlpool told us they had contacted their paint supplier and were told the paint formulation had not changed appreciably since 1971. According to the Whirlpool representatives present at the meeting, indicator parameters for Whirlpool wastes include lead, chromium, strontium, zinc and xylene.

We also discussed the fact that the dump was probably used by other industries in the area. I checked the industrial guide published by the Commerce Cabinet and obtained the following information:

NAME	DATE ESTABLISHED
ATR (formerly Firestone Wire and Cable)	1971
Rexnord	1973
Genesco	1946
Corning Glass Works	1952
Certified Brake (formerly Royal Ind.)	1969

The city has contacted the local chamber of commerce and the chamber will attempt to obtain information from these other industries about the disposal of their wastes during that time.

The city's primary concern is the potential contamination of their water supply by the dump. The dump is located in a floodplain adjacent to Clark's Run, a tributary which empties into Herrington Lake. This lake is the source of the city's water supply. The lake is located approximately 7 miles from the dump site.

Tom Goodgame stated the city could alleviate the potential problem by implementing the following:

1. Close the landfill properly through the application of additional cover and grading.

2. Remove the sewer lines from the dump site.

3. Sink well into the site that could be used to remove liquids out of the landfill and dispose of them through the sewer system.

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Although I agreed that proper closure of the site may help prevent further leachate generation, I suggested a monitoring program was needed to evaluate the extent of the problem. I told them monitoring could include any of the following: stream and sediment sampling, leachate sampling, soil samples, air samples or even a magnatometer study which would indicate the presence of buried drums.

After our meeting at city hall, we all went out to the site. The site was never permitted and was used as a dump from 1970 to 1975 when they were told to close. A playground is located on the west end of the site across Terrell Drive from a housing project. A city maintenance barn has also been built on the site. A dump containing primarily brush was found just east of the maintenance barn. I discussed the dump with Ed and Luthur and they agreed to get it cleaned up. They also stated they would try to limit access through the east end of the site.

We drove to the east end of the site near the old sewage treatment plant where we got out and walked around. This area is covered with weeds. Although the city engineer showed us the location, there was nothing to indicate where the drums had been excavated three years ago. We also walked down Clark's Run a short distance. I observed an orange stain indicating a very small leachate outbreak at one location. I also noticed a small stream running through the landfill that should be checked for leachate outbreaks.

After we left the Terrell Drive dump site, Ed, Luthur and I went to check on the dump site used after the Terrell Drive site was closed. It, too, is adjacent to Clark's Run downstream from the Terrell Drive site. It is located off Frye Street on property owned by the Southern Railway.

We walked along the bank of Clark's Run and observed an orange stain at two locations which indicated two large leachate outbreaks. No leachate was observed flowing that day and I assume the recent dry weather may have caused them to temporarily dry up. This site should be considered when developing a monitoring plan for the Terrell Drive site and we may also want to consider including this site in a monitoring program.

During this initial investigation I did not observe any obvious signs of contamination leaving the Terrell Drive site. However, due to a press release made by the city, the media, both the local newspaper and a Lexington television station, have become aware of this site and done stories. Therefore, I recommend that a plan for addressing this dump be developed as soon as possible.

Please contact me when you want to set up a time to meet and discuss this problem.

HL/blp

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DIVISION OF WASTE MANAGEMENT

UNCONTROLLED SITE REPORT

1. Date/Time Site First Reported July 15, 1983

2. Site Discovered/Reported By Ed Music, City Manager

   Address City Hall, Danville 40422 Phone: 236-2591

3. Type of Site:

   ____ Drum Storage

   ✓ Land Disposal (Describe Type:) Old city dump (no permit)

   ____ Other (Describe:) _____

4. Approximate Quantity of Actual or Potential Hazardous Substance Released Or Available for Release

   ____ Drums _____

   ____ Cubic Yards _____

   ____ Gallons _____

   ✓ Other Unknown

5. Types, Categories, and/or Compounds of Potential or Actual Hazardous Substances Present. Describe:

   Whirlpool wastes include painting operation - xylene, lead, chrome, strontium, zinc would be indicator parameters for their wastes

6. SITE LOCATION. Describe or Attach Map.: Site runs parallel to Terrell Dr. adjacent to Clark's Run. The old sewage treatment plant is located at one end of the site. There is a playground and city maintenance garage on top of the site at the opposite end.

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7. Responsible Parties

A. Generator(s) Danville files show a letter (Oct, 1971) giving Whirlpool permission to dispose of paint wastes. Other Danville industries include ATR (Firestone Wire and Cable), 1971*; Rexnord, 1973*; Genesco, 1946*; Corning Glass Works, 1952*. *Date facility was established.

B. Transporter(s)

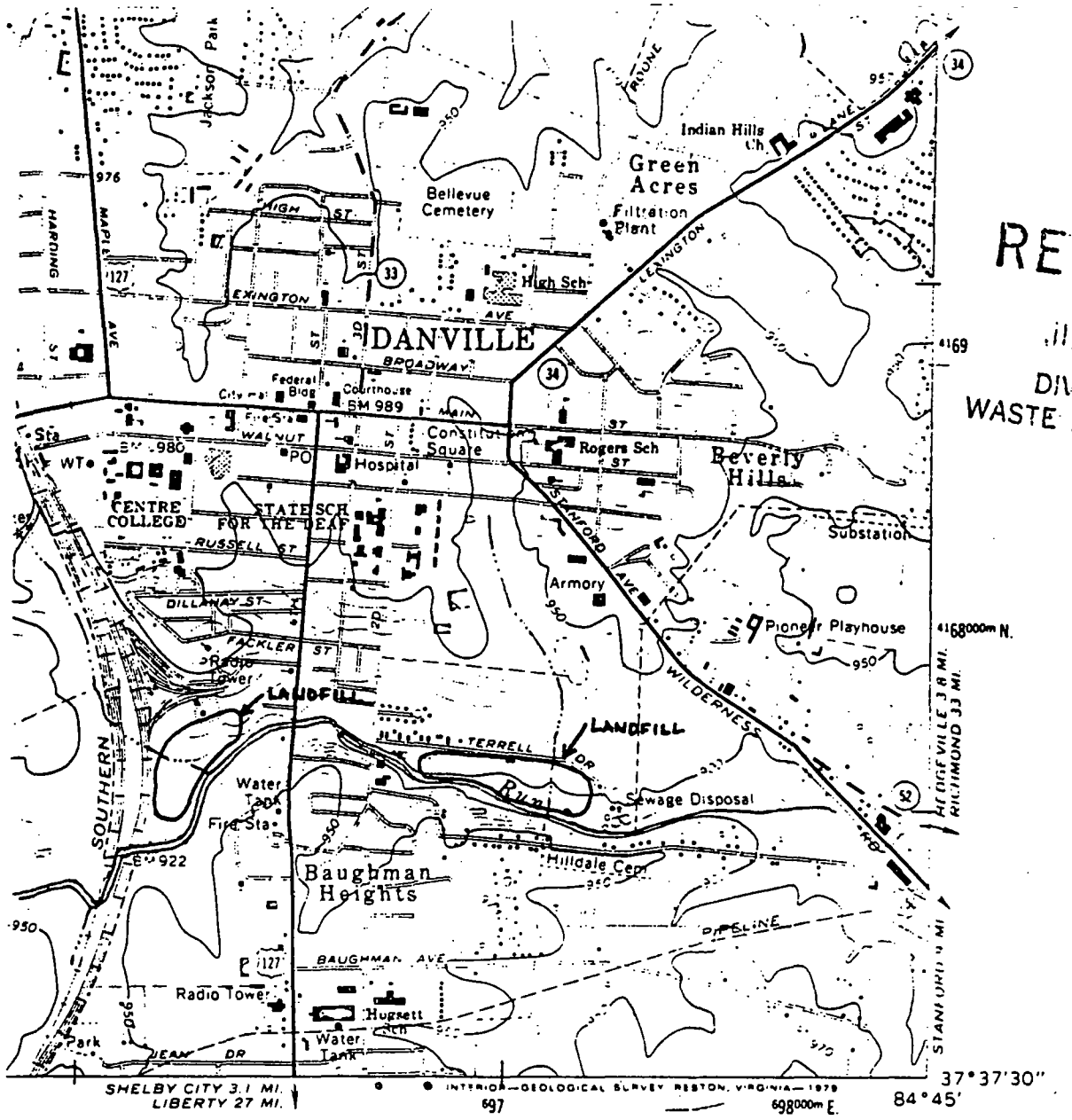
C. Site Owner(s) City of Danville

D. Site Operator(s) City of Danville

8. Approximate Date(s) of Release, Storage, and/or Disposal Operated 1971-1975

9. Additional Comments: - During the installation of sewer lines in Aug., 1980 drums of liquid were discovered at the landfill. The information was surpressed by the mayor and city manager (Sam Garnett at that time). Currently no drums can be seen.

10. Field Office Contact: Hannah Leonard



ROAD CLASSIFICATION

Primary highway, all weather, hard surface

Light-duty road, all weather, improved surface

Secondary highway, all weather, hard surface

Unimproved road, fair or dry weather

U. S. Route

State Route

QUADRANGLE LOCATION

DANVILLE, KY.

N3737.5—W8445/7.5

1967

AMS 4059 III NE—SERIES V853

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WASTE MANAGEMENT

1042
91B

REFERENCE NO. 3

EPA

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION: IV

SITE NUMBER (to be assigned by HQ):

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II *(Preliminary Assessment)*. File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: TERRELL DRIVE DUMP

B. STREET (or other identifier): TERRELL DRIVE

C. CITY: DANVILLE

D. STATE: KY

E. ZIP CODE:

F. COUNTY NAME: BOYLE

G. OWNER/OPERATOR (if known)

1. NAME: CITY OF DANVILLE

2. TELEPHONE NUMBER: (606) 236-1990

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☑ 4. MUNICIPAL ☐ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

THIS SITE IS AN OLD CITY DUMP CONVERTED INTO A LANDFILL THAT OPERATED FOR SURE FROM 1971-1975, WITHOUT A PERMIT, EXCEPT FROM 6/9/72-12/9/72. IT MAY HAVE OPERATED AS EARLY AS MID-60'S. NEXT TO TERRELL DR. AND CLARKS RUN CREE.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

CITY ENGINEER NOTIFIED FIELD OFFICE OF POTENTIAL BURIED DRUMS DISCOVERED IN 1980 WHILE INSTALLING SEWER

K. DATE IDENTIFIED (mo., day, & yr.): 7/20/83

L. PRINCIPAL STATE CONTACT

1. NAME: BARRY BURRUS

2. TELEPHONE NUMBER: (502) 564-6716

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☑ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE ☐ 5. UNKNOWN

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED (no hazard)

☑ 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR: NOTICE LETTERS SENT 8/23/83 TO RESPONSIBLE PARTIES REQUESTING INVESTIGATION
b. WILL BE PERFORMED BY:

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

C. PREPARER INFORMATION

1. NAME: Barry Burrus

2. TELEPHONE NUMBER: (502) 564-6716

3. DATE (mo., day, & yr.): 8/23/83

III. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☑ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☑ 1. NO

☐ 2. YES (specify generator's four-digit SIC Code):

C. AREA OF SITE (in acres): ~ 10 ACRES

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (deg.-min.-sec.):

2. LONGITUDE (deg.-min.-sec.):

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☑ 2. YES (specify): GARAGE, PLAYGROUND

Continued From Page 2

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

ACCORDING TO H. LEONARD MEMO OF 7/22/83, DRUMS CONTAINING XYLENE GENERATED BY WHIRLPOOL CORP MAY BE BURIED AT THIS SITE. THERE IS ALSO POTENTIAL FOR ASBESTOS WASTE FROM ROYAL INDUSTRIES, PER 6/27/79 EPA MEMO (GUNTER)

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

LEACHATE FROM THE LANDFILL IS ENTERING THE CLARK'S RUN CREEK NEXT TO THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH	X			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY	X			
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER		X	NOTED ON INSPECTION 8/10/83	FILE RECORDS AND PHOTOS INDICATE THIS HAS BEEN OCCURING FOR A FEW YEARS.
9. DAMAGE TO FLORA/FAUNA		X	"	"
10. FISH KILL	X			
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS	X			
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS	X			
19. INADEQUATE SECURITY	X			
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continue On Reverse

NUS

REFERENCE NO. 4

R-586-8-4-17

SAMPLING INVESTIGATION REPORT
TERRELL DRIVE DUMP SITE
DANVILLE, KENTUCKY

PROJECT FOR
PERFORMANCE OF
REMEDIAL RESPONSE ACTIVITIES AT
UNCONTROLLED HAZARDOUS
SUBSTANCE FACILITIES—ZONE 1

NUS CORPORATION
SUPERFUND DIVISION

R-586-8-4-17

SAMPLING INVESTIGATION REPORT
TERRELL DRIVE DUMP SITE
DANVILLE, KENTUCKY

Prepared Under
TDD NO. F4-8310-05
CONTRACT NO. 68-01-6699

FOR THE

AIR AND WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

AUGUST 27, 1984

NUS CORPORATION
SUPERFUND DIVISION

Submitted By	Reviewed By	Approved By
Donnie McCurry	Philip Blackwell	Anna Wallace for
Donnie McCurry	Philip Blackwell Assistant Regional Project Manager	Murray Warner, P.E. Regional Project Manager

NOTICE

The information in this document has been funded wholly by the United States Environmental Protection Agency (EPA) under Contract Number 68-01-6699 and is considered proprietary to the EPA.

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SAMPLING INVESTIGATION REPORT
TERRELL DRIVE DUMP SITE
DANVILLE, KENTUCKY
WP-TDD-F4-8310-05

1.0 INTRODUCTION

A sampling investigation was conducted at the Terrell Drive Dump during November 7 through November 11, 1983. The investigation was conducted by Brad Wallace, Tom Duffey, and Ed Grunwald of NUS Corporation, Region IV Field Investigation Team (FIT) at the request of the U.S. Environmental Protection Agency, Air and Waste Management Division, under Technical Directive Document (TDD) No. F4-8310-05. The investigation was conducted under the authority of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA).

The purpose of this investigation was to identify contaminants which may be present in the landfill and to determine if migration of waste materials has contaminated surface water in the vicinity of the site which serve as the local drinking water source.

The scope of this investigation was limited to the collection of surface soil and water samples and samples from hand augered holes. This investigaiton did not include a geophysical evaluation of the site.

2.0 SITE DESCRIPTION

The Terrell Drive Dump Site is located in Danville, Kentucky adjacent to Terrell Drive (Figure 1). The site is approximately ten acres in size. The dump site is located in a floodplain adjacent to Clarks Run Creek, a tributary which empties into Herrington Lake. This lake is the major source of the city's water supply and is located approximately 7 miles from the dump site. Both the Terrell Drive Dump

and the municipal sewage treatment plant are located approximately 16 miles upstream from the drinking water supply intake.

The Terrell Drive Dump is an old city dump converted into a landfill that was operated without a permit by the City of Danville during the late sixties and early seventies. A playground is located on the west end of the site across Terrell Drive from a housing project. A city maintenance barn has also been built on site (3).

An inspection on June 21, 1979 by Marsha Denton of the Kentucky Department of Environmental Protection revealed that the dump site was not properly reclaimed, the cover was inadequate, the perimeter was exposed, and the site was leaching into Clarks Run Creek (4). The dump site reportedly contains paint and xylene waste disposed of by a local manufacturing company along with other municipal wastes (3).

In August of 1980, during the installation of new sewer lines across the dump site some buried drums were discovered by city construction workers. A drum was ruptured during the construction and contained a material described as a cloudy liquid with an odor similar to paint thinner. The drums were covered and no further action was taken. In early 1983 the new city manager was notified of the incident, he contacted the Kentucky Department of Environmental Protection in July 1983, resulting in this investigation (3).

2.1 Geohydrology

Terrell Drive Dump, Danville, Kentucky, is situated at approximately 920 feet above mean sea level in elevation, in the relatively flat-lying flood plain of Clark's Run, a tributary to Herrington Lake, the primary source of drinking water for Danville.

The area is situated in the Bluegrass physiographic regions, which are characteristically underlain by limestones of Paleozoic age. Specifically, the

Frye's Lane area is located on soils that are weathering products of limestones of Ordovician age.

The site lies in an alluvial silty clay loam referred to as the Dunning (Soil Survey of Boyle aand Mercer Counties, Kentucky, Kentucky Agricultural Experiment Station Publication). This Dunning soil is a deep (60 inches) poorly drained flat-lying soil, characteristic of flood plain deposition. Slopes range from 0-2 percent.

The soil, which is a dark grey, due to the organic material content (2-10 percent), is typically acidic, also because of the organic content. The permeability is low (0.06-2 inches/hour) and the available water capacity is high (0.14-0.23 inches/hour). A seasonal high water table is typically within six inches of the surface for long periods of time in late winter and early spring.

The limestone, which is present at depths below approximately five feet in this area, is commonly interbedded with shale. In zones where this interlayering occurs, the ground-water movement is typically along bedding planes and fractures.

3.0 SAMPLE DESCRIPTION - TABLE I

This investigation consisted of the collection of seven soil, three water and two sediment samples. Quality control samples were also collected during this investigation. One water (TD-CRU-U) and one sediment sample (TD-CR-S) were collected from Clarks Run Creek upstream of the site. The second water sample (TD-CRD-W) and second sediment sample (TD-CRD-S) were collected from Clarks Run Creek downstream of the site. The two leachate soil samples (TD-LS-01 and TD-LS-02) were collected between the dump site and Clarks Run Creek. One composite soil sample (TD-CS-01) was collected on-site between a drainage ditch and a soil excavation area. The second composite soil sample (TD-CS-02) was collected off site close to the upstream water and sediment sampling points northwest of the site. Three auger soil samples were collected on site from depths of 5 to 15 feet. Auger sample TD-AS-01 stopped at a depth of 5 feet due to 100% LEL reading on the explosion meter. The second auger sample (TD-AS-02) was a

composite sample taken from two auger holes at a depth of 10-15 feet. The third auger sample (TD-AS-03) was collected approximately 10 feet south of the sewer line from a depth of 8 to 15 feet. One groundwater sample (TD-GW-01) was collected from the auger hole where auger sample (TD-AS-03) was collected (Figure 2).

4.0 DISCUSSION OF RESULTS

4.1 Analytical Quality

4.1.1 Invalid Data

Review of quality control information indicates data for pesticides, PCB's, and other chlorinated compounds for the water samples is invalid. Resampling and analysis is required to confirm data.

Invalid data will not be used in the report.

4.1.2 Suspect Data

Data for extractable and purgeable analysis of the water samples, all organic data for the upstream sediment samples, except the miscellaneous purgeable, and the purgeable data for auger soil sample AS-03 is suspect based on QC requirements by EPA, ESD Athens. This data can, however, be used as a positive indication of the presence of the reported compounds. Concentrations should be considered estimated for both positive results and minimum detection limits.

The suspect data is contained in the tables of this report.

4.2 Off-Site Samples

1. Water Samples - Table II

A. The inorganic analysis of the water sample (TD-CRU-W) (CRU-U) collected upstream of the site detected the presence of five metals, calcium (6 ug/l), zinc (35 ug/l), aluminum (640 ug/l), manganese (520 ug/l), and iron (400 ug/l).

B. Seven inorganic elements, four being priority pollutants, arsenic (14 ug/l), cadmium (1.1 ug/l), zinc (19 ug/l), and cyanide (15 ug/l).were detected in water sample (TD-CRD-W) collected downstream of the site.

2. Sediment Soil Sample - Tables III-VI

A. Upstream, Clarks Run (TD-CRU-S): Thirteen inorganic compounds, of which seven are priority pollutants as shown in Table V were detected in the sediment sample from the upstream sampling point. 4,4-DDD(P,P'-DDD) (1.1 ug/kg), a priority pollutant, was detected in the pesticides, PCBs and other chlorinated compounds analysis.

B. Downstream, Clarks Run (TD-CRD-S): The organic analysis detected nine compounds, all concentrations are estimated, and six are priority pollutants. There was also presumptive evidence of petroleum products in the sediment sample. The inorganic analysis identified fourteen elements, of which eight are priority pollutants as shown in Table VIII. The pesticides, PCBs and other chlorinated compounds analysis detected three compounds present in the sediment sample, dieldrin (1.0 ug/kg), ","'DDD(P,P'-DDD) (8.4 ug/kg) and PCB-1260 (Aroclor 1260) (240 ug/kg) all listed as priority pollutants. Table VI.

3. Composite Soil Sample. TD-CS-02

Ten organic compounds of which four are priority pollutants were detected in the composite soil sample collected from the upstream sampling point, all

concentrations are estimated (Table III & IV). The inorganic analysis revealed the presence of fifteen elements, of which eight are priority pollutants (Table V). The pesticides, PCBs and other chlorinated compounds analysis detected 1.1 ug/kg of 4,4'-DDE(P,P'-DDE) a priority pollutant in the composite soil sample collected off-site. Table VI.

4.2 On-Site

4.2.1 Organic Analysis. Tables III-IV

1. Auguered Soil Samples TD-AS-01, TD-AS-02, TD-AS-03

The augering at sample point TD-AS-01 stopped at a depth of five feet due to 100% LEL reading on the explosion meter.

Twelve organic compounds of which eight are priority pollutants, were detected in the augered soil sample TD-AS-01. All values of these compounds are estimated. The presence of two compounds are based on presumptive evidence.

Eleven organic compounds, of which six are priority pollutants, were detected in augered soil sample (TD-AS-02) collected as a composite taken from 2 augered holes at a depth of 10-15 feet. The values for the organic compounds are estimated. The presence of two compounds are based on the presumptive evidence of the presence of the material.

Fourteen organic compounds, of which eight are priority pollutants, were detected in augered soil sample (TD-AS-03) collected south of the sewer line by approximately 10 feet. With the exception of two compounds, all others have estimated values. The presence of six compounds are based on presumptive evidence.

2. Composite Soil Samples TD-CS-01

Eighteen organic compounds of which ten are priority pollutants, were detected in the composite soil sample collected between the drainage ditch and the soil excavation area. They all have an estimated concentration.

3. Leachate soil samples TD-LS-01, TD-LS-02

Nine organic compounds of which eight are priority pollutants, all of which have an estimated concentration of 40 ug/kg, except chloroform at 20 ug/kg, were detected in the leachate soil sample (TD-LS-01).

There were 13 organic compounds detected in the leachate soil sample TD-LS-02, of which 11 are priority pollutants, all but chloroform (20 ug/kg) have an estimated concentration of 40 ug/kg. There is presumptive evidence of the presence of petroleum products.

4.2.2 Inorganic Analysis Table V

1. Augered soil sample TD-AS-01, TD-AS-02, TD-AS-03

Seventeen inorganic elements, of which 10 are priority pollutants, including 750 ug/kg of cyanide, were detected in augered soil sample (TD-AS-01). There are two elements, cadmium and tin, whose concentrations are suspect.

There were 15 inorganic elements detected in the composite augered soil sample TD-As-02, of which eight are priority pollutants including cadmium whose value is suspect.

There were 15 inorganic elements of which eight are priority pollutants found in auger soil sample TD-AS-03, collected approximately 10 feet south of the sewer line at a depth of 8-15 feet.

2. Composite Soil Sample

Seventeen inorganic elements of which ten are priority pollutants, including 500 ug/kg of cyanide, were detected in composite soil sample (TD-CS-01) collected between the drainage ditch and the soil excavation area.

3. Leachate Soil Samples TD-LS-01, TD-LS-02

Fourteen inorganic elements, of which eight are priority pollutants including cadmium whose value is suspect, were detected in leachate soil sample (TD-LS-01).

There were 15 inorganic elements detected in leachate soil sample TD-LS-02, of which eight are priority pollutants, including cadmium whose value is suspect.

4.2.3 Pesticides, PCBs and Other Chlorinated Compounds Table VI

1. Augered Soil Samples TD-AS-01, TD-AS-02, TD-AS-03

Six chlorinated compounds all of which are priority pollutants, were detected in augered soil sample TD-AS-01.

There were two compounds, dieldrin (1.3 ug/kg) and 4,4'-DDD(P,P'-DDD) (4.8 ug/kg) both priority pollutants found in the augered soil sample TD-AS-02.

No pesticides, PCBs or other chlorinated compounds were detected in the augered soil sample (TD-AS-03) collected approximately 10 feet south of the sewer line.

2. Composite Soil Sample, TD-CS-01

Two chlorinated compounds, dieldrin (45 ug/kg) and 4,4'-DDD(P,P'-DDD) 34 ug/kg, both priority pollutants, were detected in composite soil sample TD-CS-01 collected between the drainage ditch and the soil excavation area.

3. Leachate Soil Samples TD-CS-01, TD-LS-02

Two compounds, dieldrin (0.4 ug/kg) and 4,4'-DDD(P,P'-DDD) (3.2 ug/kg) both priority pollutants, were detected in leachate soil sample TD-LS-01. These same two compounds were also present in leachate soil sample TD-LS-02, dieldrin at 1.5 ug/kg and 4,4'-DDD(P,P'-DDD) at 4.7 ug/kg.

4.3 Ground Water (GW-01)

Nine inorganic elements were detected in ground water sample collected from auger hole of soil TD-AS-03. Five of these are priority pollutants, including cadmium whose value is suspect. (Table II).

5.0 METHODOLOGY

All sample collection, sample preservation and chain-of-custody procedures used during this investigation were in accordance with the standard operating procedures as specified in the Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual (Draft; United States Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980). All laboratory analyses and quality assurance procedures used during this investigation were in accordance with standard operating procedures and protocols as specified in the Analytical Support Branch Operation and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division; April, 1982 or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the contract analytical laboratory program.

REFERENCES

1. General Soil Map. Boyle County Kentucky, U.S. Department of Agriculture Soil Conservation Service, Kentucky Department of Natural Resources and Environmental Protection Casings, 1981.

2. Soil Survey of Boyle and Mercer Counties, Kentucky. Kentucky Department of Natural Resources and Environmental Protection and Kentucky Agriculture Experiment Station.

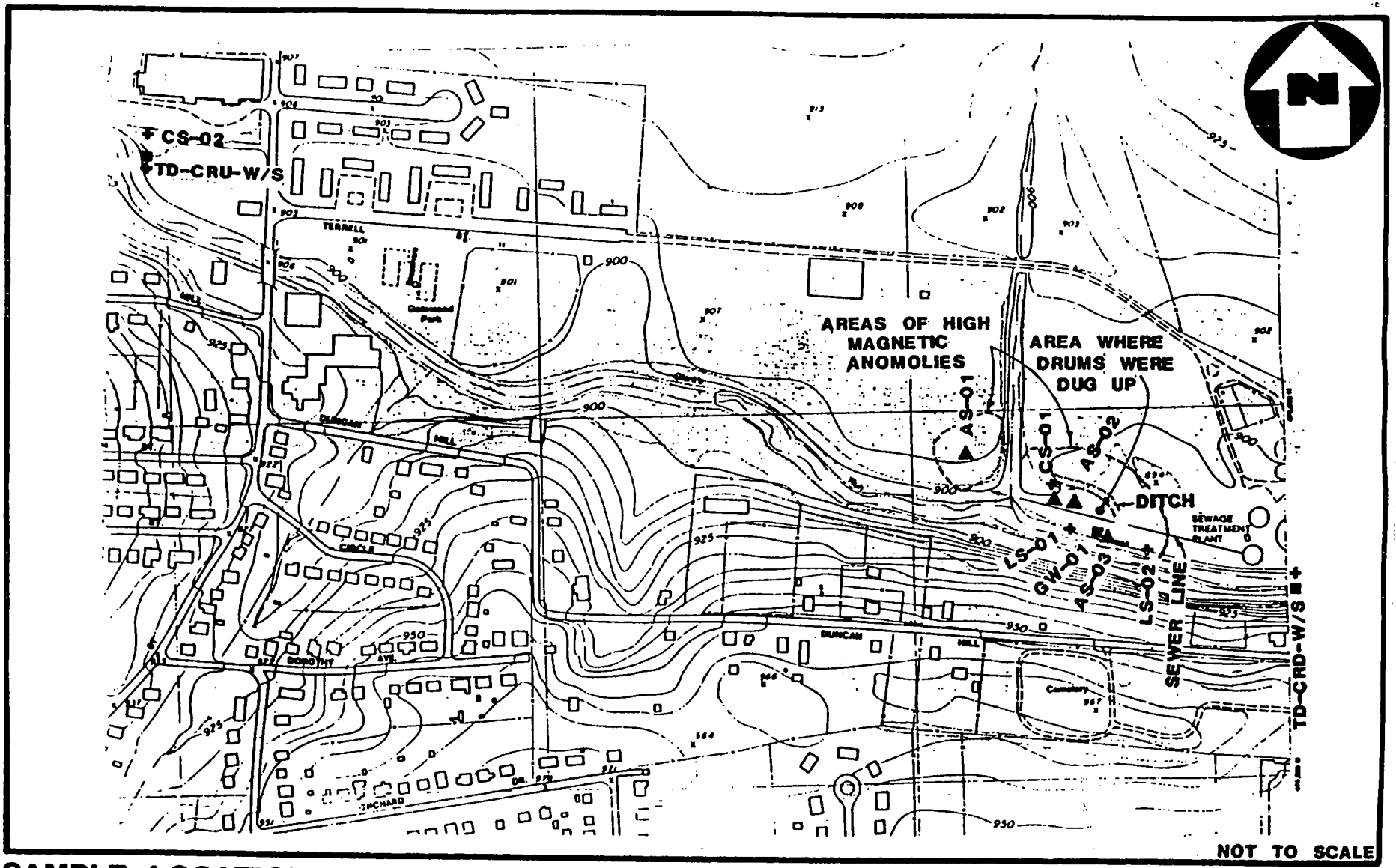
3. Burrus, Barry, EPA Site Identification - Preliminary Assessment and Attached Memorandum - July 1983.

4. Denton, Marsha, Kentucky Department of Environmental Protection. Letter to City of Danville Mayor, Roy Arnold, July 9, 1979.

5. Logsdon, Gary, United States Environmental Protection Agency. Letter to James Symons, Chief, Physical-Chemical Contaminants Removal Branch. June 5, 1979.

6. Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual (Draft); U.S. Environmental Protection Agency, Region IV, Environmental Services Division, August 29, 1980.

7. Analytical Support Branch Operations and Quality Assurance Manual; U.S. Environmental Protection Agency, Region IV, Environmental Services Division; April 1982.



SAMPLE LOCATIONS
TERRELL DRIVE DUMP
DANVILLE, KENTUCKY

FIGURE 2

LEGEND

■ ⊣ WATER

✚ ⊣ SOIL / SEDIMENT

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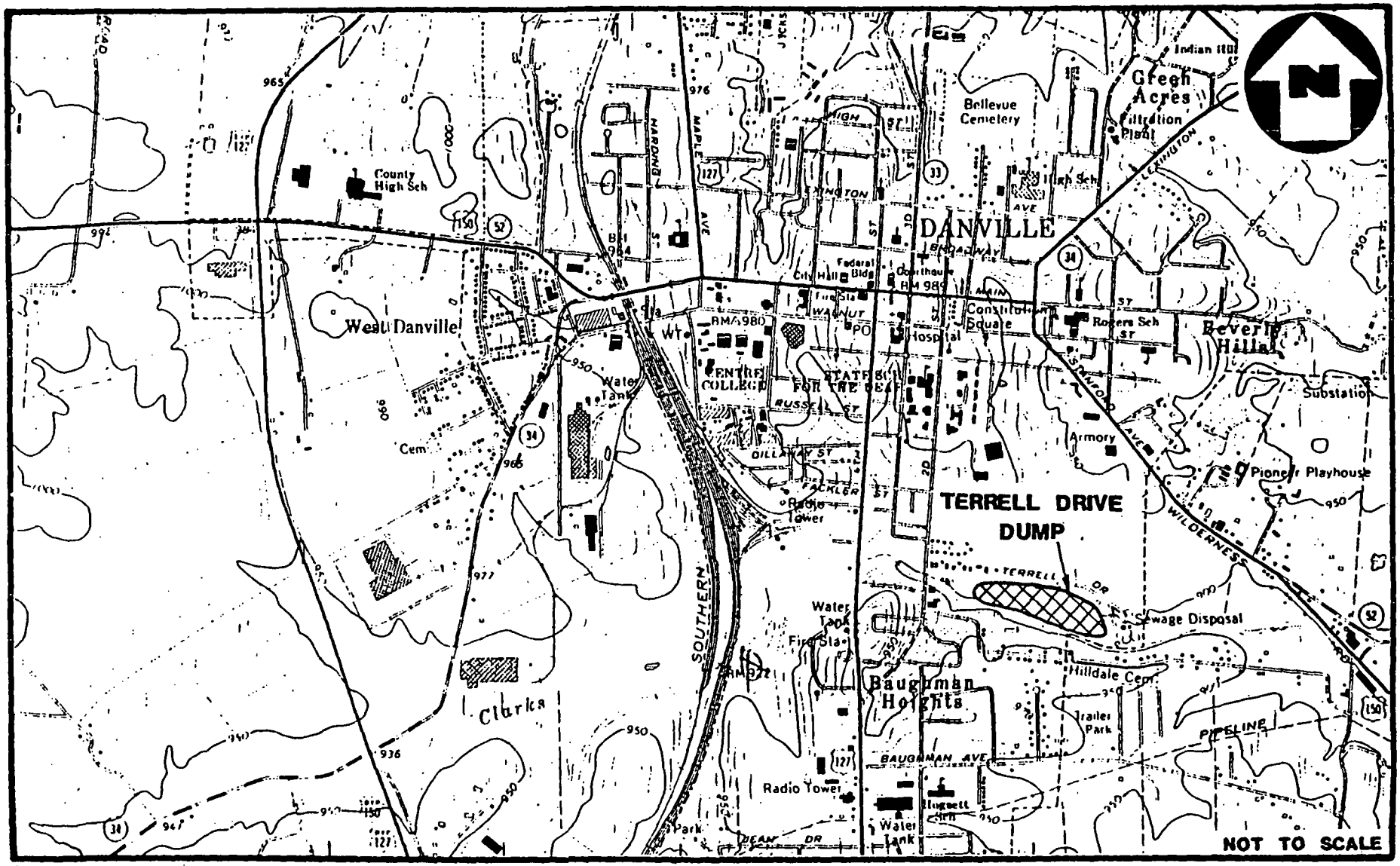

(BASE MAP IS A PORTION OF THE U.S.G.S., DANVILLE, KENTUCKY QUADRANGLE 7.5' SERIES)

SITE LOCATION
TERRELL DRIVE DUMP
DANVILLE, KENTUCKY

FIGURE 1

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12

TABLE 1
SAMPLE DESCRIPTIONS
TERRELL DRIVE DUMP
DANVILLE, KENTUCKY

Station #	Sample Type	Location
(Terrell Drive) "TD"		
CRU-W	water	Clarks Run, upstream of site
CRU-S	sediment	Clarks Run, upstream of site
CRD-W	water	Clarks Run, downstream of site
CRD-S	sediment	Clarks Run, downstream of site
LS-01	leachate-soil	leachate sample #01
LS-02	leachate-soil	leachate sample #02
CS-01	composite soil	collected between drainage ditch and soil excavation area
CS-02	composite soil ("background" soil sample)	taken at field beside bridge on Hwy 127 that crosses Clarks Run
AS-01	augered soil	Auger sample #01, depth of 5 feet. Drilling stopped due to 100% LEL reading on explosion meter.
AS-02	composite augered soil	Augered sample #02, taken from two augered holes at 10-15 feet.
AS-03	augered soil	Augered sample #03, taken at 8-15 feet. Sample collected south of sewer line by approximately 10 feet.
GW-01	ground water	ground water collected from auger hole of soil sample AS-03

TERRELL DRIVE DUMP

TABLE II

WATER SAMPLES

INORGANIC ANALYSIS

(in ug/l)

Element	TD-GW-01	TD-CRU-W	TD-CRD-W
Arsenic*	22	--	14
Barium	490	--	--
Cadmium*	4.7X	6X	1.1X
Chromium*	16	--	--
Lead*	33	--	--
Zinc*	64	35	19
Aluminum	13,000	640	360
Manganese	7,900	520	210
Iron	50,000	400	600
Cyanide*	--	--	15

-- Material was analyzed for but not detected

X Value is suspect

* Priority pollutant

TERRELL DRIVE DUMP

TABLE III

SOIL/SEDIMENT SAMPLES

EXTRACTABLE ORGANIC COMPOUNDS

(in ug/kg)

Compound	TD-AS-01	TD-AS-02	TD-AS-03	TD-CS-01	TD-CS-02	TD-LS-01	TD-LS-02	TD-CRD-S
1,4-Dichlorobenzene*	40J	--	--	--	--	--	--	--
Napthalene*	40J	--	--	--	--	--	--	--
Acenaphthylene*	--	--	--	--	--	--	40J	--
N-Nitrosodiphenyl-* Amine/Diphenylamine	40J	40J	--	40J	40J	--	40J	40J
Phenanthrene*	--	--	--	40J	--	40J	40J	40J
Anthracene*	--	--	--	40J	--	--	40J	--
Fluoranthene*	40J	40J	40JN	40J	40J	40J	40J	40J
Pyrene*	40J	40J	40JN	40J	40J	40J	40J	40J
Benzyl Butyl Phthalate*	--	--	40JN	--	--	--	40J	--
Benzo(A)Anthracene*	--	--	--	--	--	40J	40J	40J
Chrysene*	--	--	--	40J	--	40J	40J	--
Benzo(B)Fluoranthene	--	40J	--	40J	40J	40J	40J	40J
Benzo(A)Pyrene*	--	--	--	--	--	40J	40J	--
Indeno (1,2,3-CD) Pyrene*	--	--	--	--	--	40J	40J	--
Pentachlorophenol*	--	--	40JN	--	--	--	--	--
Petroleum Product	N	N	--	N	--	--	N	N
Hexadecanoic Acid	--	--	--	40JN	--	--	--	--
Hydroxymethoxy-Benzaldehyde	--	--	--	40JN	--	--	--	--
Benzoic Acid	--	--	200JN	--	40J	--	--	--
4-Methylphenol	--	--	--	--	--	--	--	--

J Estimated value
N Presumptive evidence of presence of material
-- Material was analyzed for but not detected
* Priority pollutant

TERRELL DRIVE DUMP

TABLE IV

SOIL/SEDIMENT SAMPLES

PURGEABLE ORGANIC COMPOUNDS

(in ug/kg)

Compound	TD-AS-01	TD-AS-02	TD-AS-03	TD-CS-01	TD-CS-02	TD-LS-01	TD-LS-02	TD-CRD-S
Chloroform*	--	--	20J	20J	200U --	20J		20J
1,1,1-Trichloroethane*	--	20J	--	--	200U --	--	--	--
Trichloroethene	--	--	--	--	200U --	--	--	20J
Bromoform*	--	--	--	20J	200U --	--	--	--
Toluene*	20J	20J	--	--	200U --	--	--	--
Chlorobenzene*	20J	--	20J	20J	20J	--	--	--
Ethyl Benzene*	20J	20J	490	20J	200U --	--	--	--
1,12,2-Tetra-Chloroethane*	--	--	20J	--	200U --	--	--	--
Methyl Isobutyl Ketone	20J	--	--	20J	20J	--	--	--
Total Xylenes	130J	20J	5800	20J	20J	--	--	--
C3Alkylbenzene	200JN	--	400JN	--	--	--	--	--
Methyl Butyl Ketone	--	20J	20J	20J	200U --	--	--	--
Bicycloheptanone	--	20JN	--	--	--	--	--	--
Styrene	--	--	20J	20J	20J	--	--	--
2 Unidentified Compounds	--	--	5000J	--	--	--	--	--
1 Unidentified Compound	--	--	--	--	90JN	--	--	--

-- Material was analyzed for but not detected
J Estimated value
N Presumptive evidence of presence of material
* Priority pollutant

TERRELL DRIVE DUMP

TABLE V

SOIL/SEDIMENT SAMPLES

INORGANIC ANALYSIS(1)

(in ug/kg)

Element	TD-AS-01	TD-AS-02	TD-AS-03	TD-CS-01	TD-CS-02	TD-LS-01	TD-LS-02	TD-CRD-S	TD-CRU-S
Arsenic*	15,000	20,000	24,000	26,000	16,000	44,000	27,000	27,000	10,000
Barium	110,000	160,000	120,000	220,000	74,000	260,000	300,000	203,000	99,000
Beryllium*	470	720	1300	840	550	4,000	1,90	3,000	--
Cadmium*	2,000X	1,300X	2,000X	2,700X	1,200X	9,300X	5,200X	6,100X	500X
Cobalt	6,900	8,000	9,900	8,400	7,500	28,000	20,000	21,000	3,000
Chromium*	15,000	11,000	15,000	19,000	7,900	20,000	20,000	18,000	25,000
Copper*	27,000	10,000	12,000	220,000	9,700	43,000	50,000	42,000	31,000
Nickel*	12,000	11,000	14,000	19,000	9,700	16,000	22,000	13,000	6,300
Lead*	99,000	37,000	50,000	480,000	50,000	89,000	390,000	140,000	330,000
Tin	26,000X	24,000X	16,000X	24,000X	15,000X	--	40,000X	--	12,000X
Vanadium	13,000	15,000	22,000	18,000	12,000	7,2000	38,000	50,000	--
Zinc*	350,000	180,000	66,000	380,000	44,000	130,000	110,000	110,000	66,000
Mercury*	500	--	--	360	--	--	--	--	--
Aluminum	5,900,000	11,000,000	11,000,000	11,000,000	7,600,000	7,700,000	7,600,000	9,600,000	4,800,000
Manganese	720,000	870,000	360,000	1,100,000	610,000	2,200,000	1,700,000	1,600,000	640,000
Iron	14,000,000	16,000,000	26,000,000	22,000,000	14,000,000	130,000,000	67,000,000	82,000,000	5,900,000
Cyanide*	750	--	--	500	--	--	--	--	--

(1) Data reported on a wet weight basis

* Priority pollutant

X Value is suspect

-- Material was analyzed for but not detected

TERRELL DRIVE DUMP

TABLE VI

SOIL/SEDIMENT SAMPLES

PESTICIDES, PCBs AND OTHER CHLORINATED COMPOUNDS

(in ug/kg)

Compound	TD-AS-01	TD-AS-02	TD-AS-03	TD-CS-01	TD-CS-02	TD-LS-01	TD-LS-02	TD-CRD-S	TD-CRU-S
Dieldrin*	2.8	1.3	-	45	--	0.4	1.5	1.0	--
4,4'-DDT(P,P'-DDT)*	34	--	--	--	--	--	--	--	--
4,4'-DDE(P,P'-DDE)*	29	--	--	--	1.1	--	--	--	--
4,4'-DDD(P,P'-DDD)*	97	4.8	--	34	--	3.2	4.7	8.4	1.1
PCB-1242 (Aroclor 1242)*	580	--	--	--	--	--	--	--	--
PCB-1248 (Aroclor 1248)*	240	--	--	--	--	--	--	--	--
PCB-1260 (Aroclor 1260)*	--	--	--	--	--	--	--	240	--

-- Material was analyzed for but not detected

* Priority pollutant

TERRELL DRIVE DUMP

TABLE VII

WATER SAMPLES

EXTRACTABLE ORGANIC COMPOUNDS(1)

(in ug/l)

Compound	TD-GW-01	TD-CRU-W	TD-CRD-W
Napthalene*	9	--	--
Fluorene*	1J	--	--
Fluoranthene*	1J	--	--
Pyrene*	1J	--	--
2,4-Dimethylphenol	550	--	--
Bis(2-Ethylhexyl Phthalate)*	--	--	300
2-Methylphenol	5	--	--
4-Methylphenol	51	--	--
2-Methyl Napthalene	15	--	--
C3 Alkylbenzene	20JN	--	--
Methylbenzoic Acid (2 Isomers)	40JN	--	--

(1) Data suspect based on quality control - for screening only

J Estimated value

N Presumptive evidence of presence of material

* Priority pollutant

TERRELL DRIVE DUMP

TABLE VIII

WATER SAMPLES

PURGEABLE ORGANIC COMPOUNDS(1)

(in ug/l)

Compound	TD-GW-01	TD-CRU-W	TD-CRD-W
Chloroform*	--	--	2J
Toluene*	79	--	--
Ethyl Benzene*	5600	--	--
Methyl Ethyl Ketone	--	--	24
Carbon Disulfide	--	--	10
Methyl Butyl Ketone	--	--	9
Total Xylenes	20,000	--	--

1 Data suspect based on quality control - use for screening only

* Priority pollutant

J Estimated value

APPENDIX A

ANALYTICAL DATA

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER
0.010	MG/L	CYANIDE

S10R61
09/20

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C 342 SAMPLE TYPE: NORMAL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-GW-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3545 INORG SAMPLE NO.: MD 401
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: MAW

REMARKS

21 0004

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C 342 SAMPLE TYPE: MONWL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-GW-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3545 INORG SAMPLE NO.: MD 401
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: MAW

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
100	UG/L	SILVER	01077
22	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
490	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
4.7X	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
16	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
33	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
64	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
13000	UG/L	ALUMINUM	01105
7900	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
5U	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C 345 SAMPLE TYPE: AMBIA

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3694 INORG SAMPLE NO.: MD 386
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: MAW

REMARKS

23

****

FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.010	MG/L	CYANIDE	00720

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C 345 SAMPLE TYPE: AMBWA

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3694 INORG SAMPLE NO.: MD 386
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB SAMPLE DATA VERIFIED BY: MAW

REMARKS
X-VALUE IS SUSPECT

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
10U	UG/L	ARSENIC	01002
NA	UG/L	BORON	01022
1000	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
6X	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
5U	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
200U	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
35	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
640	UG/L	ALUMINUM	01105
520	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
0.4	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
FPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C 346 SAMPLE TYPE: AMBWA

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3696 INORG SAMPLE NO.: MD 388
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: MAW

REMARKS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
10U	UG/L	SILVER	01077
14	UG/L	ARSENIC	01002
NA	UG/L	BORON	01023
1000	UG/L	BARIUM	01007
5U	UG/L	BERYLLIUM	01012
1.1X	UG/L	CADMIUM	01027
50U	UG/L	COBALT	01037
10U	UG/L	CHROMIUM	01034
50U	UG/L	COPPER	01042
NA	UG/L	MOLYBDENUM	01062
40U	UG/L	NICKEL	01067
5U	UG/L	LEAD	01051
20U	UG/L	ANTIMONY	01097
2U	UG/L	SELENIUM	01147
20U	UG/L	TIN	01102
NA	UG/L	STRONTIUM	01082
NA	UG/L	TELLURIUM	01064
NA	UG/L	TITANIUM	01152
10U	UG/L	THALLIUM	01059
2000	UG/L	VANADIUM	01087
NA	UG/L	YTTRIUM	01203
19	UG/L	ZINC	01092
NA	UG/L	ZIRCONIUM	01162
0.2U	UG/L	MERCURY	71900
360	UG/L	ALUMINUM	01105
210	UG/L	MANGANESE	01055
NA	MG/L	CALCIUM	00916
NA	MG/L	MAGNESIUM	00927
0.6	MG/L	IRON	74010
NA	MG/L	SODIUM	00929
NA	UG/L	CHROMIUM,HEXAVALENT	01032

****

FOOTNOTES
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*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.015	MG/L	CYANIDE	00720

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C 346 SAMPLE TYPE: AMBWA

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3696 INORG SAMPLE NO.: MD 38R
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBR DATA VERIFIED BY: MAW

REMARKS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C 342 SAMPLE TYPE: WATER

PROJECT NO.: 84-010 PROGRAM ELEMENT: HSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-GW-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: P 3545 INORG SAMPLE NO.: NO 401
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UG/L	COMPOUND NAME
50U		BENZOIC ACID
5		2-METHYLPHENOL
51		4-METHYLPHENOL
50		2,4,5-TRICHLOROPHENOL
50U		ACETONE
50		[illegible]-ZYL ALCOHOL
50U		4-CHLOROANILINE
50U		DIBENZOFURAN
15		2-METHYL NAPHTHALENE
50U		2-NITROANILINE
50U		3-NITROANILINE
50U		4-NITROANILINE
200J		C4 ALKYLBENZENE
400J		DIETHYLHEXYLPHTHALATE (2 ISOMERS)

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: RAC 342 SAMPLE TYPE: NORMAL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-GW-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3545 INORG SAMPLE NO.: MD 401
CONTRACT LABORATORY(ORGANIC): ENVIROSYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE [illegible] VERIFIED BY: TRH DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
50	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
50	UG/L	BENZIDINE	39120
50	UG/L	1,3-DICHLOROBENZENE	34566
50	UG/L	1,4-DICHLOROBENZENE	34571
50	UG/L	1,2-DICHLOROBENZENE	34536
50	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
50	UG/L	HEXACHLOROETHANE	34396
50	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
50	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
50	UG/L	NITROBENZENE	34447
50	UG/L	HEXACHLOROBUTADIENE	39702
50	UG/L	1,2,4-TRICHLOROBENZENE	34551
9	UG/L	NAPHTHALENE	34696
50	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
50	UG/L	ISOPHORONE	34408
50	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
50	UG/L	2-CHLORONAPHTHALENE	34581
50	UG/L	ACENAPHTHYLENE	34200
50	UG/L	ACENAPHTHENE	34205
50	UG/L	DIMETHYL PHTHALATE	34341
50	UG/L	2,4-DINITROTOLUENE	34611
50	UG/L	2,6-DINITROTOLUENE	34626
50	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
10J	UG/L	FLUORENE	34381
50	UG/L	DIETHYL PHTHALATE	34336
50	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34433
50	UG/L	HEXACHLOROBENZENE (HCB)	39700
50	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
50	UG/L	PHENANTHRENE	34461
50	UG/L	ANTHRACENE	34220
100	UG/L	DI-N-BUTYLPHTHALATE	39110
10J	UG/L	FLUORANTHENE	34376
10J	UG/L	PYRENE	34469
50	UG/L	BENZYL BUTYL PHTHALATE	34292
50	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
50	UG/L	BENZO(A)ANTHRACENE	34526
50	UG/L	CHRYSENE	34320
50	UG/L	3,3'-DICHLOROBENZIDINE	34631
50	UG/L	DI-N-OCTYLPHTHALATE	34596
50	UG/L	BENZO(B)FLUORANTHENE	
50	UG/L	BENZO(K)FLUORANTHENE	
50	UG/L	BENZO-A-PYRENE	34247
50	UG/L	INDENO (1,2,3-CD) PYRENE	34403
50	UG/L	DIBENZO(A,H)ANTHRACENE	34556
50	UG/L	BENZO(GHI)PERYLENE	34521
50	UG/L	2-CHLOROPHENOL	34586
50	UG/L	2-NITROPHENOL	34591
50	UG/L	PHENOL	34694
550	UG/L	2,4-DIMETHYLPHENOL	34606
50	UG/L	2,4-DICHLOROPHENOL	34601
50	UG/L	2,4,6-TRICHLOROPHENOL	34621
50	UG/L	4-CHLORO-3-METHYLPHENOL	34452
50	UG/L	2,4-DINITROPHENOL	34616
50	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
50	UG/L	PENTACHLOROPHENOL	34032
50	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C 346 SAMPLE TYPE: AMBIA

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CHD-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3696 INORG SAMPLE NO.: MD 388
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRH DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--NSF FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
50	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
50	UG/L	BENZIDINE	39120
50	UG/L	1,3-DICHLOROBENZENE	34566
50	UG/L	1,4-DICHLOROBENZENE	34571
50	UG/L	1,2-DICHLOROBENZENE	34536
50	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
50	UG/L	HEXACHLOROETHANE	34396
50	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
50	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
50	UG/L	NITROBENZENE	34447
50	UG/L	HEXACHLOROBUTADIENE	39702
50	UG/L	1,2,4-TRICHLOROBENZENE	34551
50	UG/L	NAPHTHALENE	34696
50	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
50	UG/L	ISOPHORONE	34408
50	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
50	UG/L	2-CHLORONAPHTHALENE	34581
50	UG/L	ACENAPHTHYLENE	34200
50	UG/L	ACENAPHTHENE	34205
50	UG/L	DIMETHYL PHTHALATE	34341
50	UG/L	2,4-DINITROTOLUENE	34611
50	UG/L	2,6-DINITROTOLUENE	34626
50	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
50	UG/L	FLUORENE	34381
50	UG/L	DIETHYL PHTHALATE	34336
50	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34433
50	UG/L	HEXACHLOROBENZENE (HCB)	39700
50	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
50	UG/L	PHENANTHRENE	34461
50	UG/L	ANTHRACENE	34220
50	UG/L	DI-N-BUTYLPHTHALATE	39110
50	UG/L	FLUORANTHENE	34376
50	UG/L	PYRENE	34469
50	UG/L	BENZYL BUTYL PHTHALATE	34292
300	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
50	UG/L	BENZO(A)ANTHRACENE	34526
50	UG/L	CHRYSENE	34320
50	UG/L	3,3'-DICHLOROBENZIDINE	34631
50	UG/L	DI-N-OCTYLPHTHALATE	34596
50	UG/L	BENZO(B)FLUORANTHENE	
50	UG/L	BENZO(K)FLUORANTHENE	
50	UG/L	BENZO-A-PYRENE	34247
50	UG/L	INDENO (1,2,3-CD) PYRENE	34403
50	UG/L	DIBENZO(A,H)ANTHRACENE	34556
50	UG/L	BENZO(GHI)PERYLENE	34521
50	UG/L	2-CHLOROPHENOL	34586
50	UG/L	2-NITROPHENOL	34591
50	UG/L	PHENOL	34694
50	UG/L	2,4-DIMETHYLPHENOL	34606
50	UG/L	2,4-DICHLOROPHENOL	34601
50	UG/L	2,4,6-TRICHLOROPHENOL	34621
50	UG/L	4-CHLORO-3-METHYLPHENOL	34452
NA	UG/L	2,4-DINITROPHENOL	34616
50	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
50	UG/L	PENTACHLOROPHENOL	39032
50	UG/L	4-NITROPHENOL	34646

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/10/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C 346 SAMPLE TYPE: AMBVA

PROJECT NO.: R4-010 PROGRAM ELEMENT: MSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3696 INORG SAMPLE NO.: MD 388
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBR DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UG/L	COMPOUND NAME
	50	BENZOIC ACID
	50	2-METHYLPHENOL
	50	4-METHYLPHENOL
	50	2,4,5-TRICHLOROPHENOL
	50	ANILINE
	50	BENZYL ALCOHOL
	50	4-CHLOROANILINE
	50	DIBENZOFURAN
	50	2-METHYL NAPHTHALENE
	50	2-NITROANILINE
	50	3-NITROANILINE
	50	4-NITROANILINE

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: H4C 142 SAMPLE TYPE: NONWL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: FD-G-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JAS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: F 3545 INORG SAMPLE NO.: [illegible]
CONTRACT LABORATORY(ORGANIC): ENVIROLYSE INC.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANALYTICAL

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TMM DATA VERIFIED BY: JAS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A=AVERAGE VALUE *B=[illegible] ANALYZED *C=[illegible]
*J=ESTIMATED VALUE *[illegible] *[illegible] MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
50	UG/L	N-NITROSODIMETHYLAMINE	34438
50	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
50	UG/L	BENZIDINE	39120
50	UG/L	1,3-DICHLOROBENZENE	34566
50	UG/L	1,4-DICHLOROBENZENE	34571
50	UG/L	1,2-DICHLOROBENZENE	34536
50	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
50	UG/L	HEXACHLOROETHANE	34396
50	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	34283
50	UG/L	N-NITROSODI-N-PROPYLAMINE	34428
50	UG/L	NITROBENZENE	34447
50	UG/L	HEXACHLOROBUTADIENE	34702
50	UG/L	1,2,4-TRICHLOROBENZENE	34551
9	UG/L	NAPHTHALENE	34696
50	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
50	UG/L	ISOPHORONE	34408
50	UG/L	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
50	UG/L	2-CHLORONAPHTHALENE	34581
50	UG/L	ACENAPHTHYLENE	34200
50	UG/L	ACENAPHTHENE	34205
50	UG/L	DIMETHYL PHTHALATE	34341
50	UG/L	2,4-DINITROTOLUENE	34611
50	UG/L	2,6-DINITROTOLUENE	34626
50	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
10	UG/L	FLUORENE	34381
50	UG/L	DIETHYL PHTHALATE	34336
50	UG/L	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34433
50	UG/L	HEXACHLOROBENZENE (HCB)	39700
50	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
50	UG/L	PHENANTHRENE	34461
50	UG/L	ANTHRACENE	34220
100	UG/L	DI-N-BUTYLPHTHALATE	39110
10	UG/L	FLUORANTHENE	34376
10	UG/L	PYRENE	34469
50	UG/L	BENZYL BUTYL PHTHALATE	34292
50	UG/L	BIS(2-ETHYLHEXYL) PHTHALATE	39100
50	UG/L	BENZO(A)ANTHRACENE	34526
50	UG/L	CHRYSENE	34320
50	UG/L	3,3'-DICHLOROBENZIDINE	34631
50	UG/L	DI-N-OCTYLPHTHALATE	34596
50	UG/L	BENZO(B)FLUORANTHENE	
50	UG/L	BENZO(K)FLUORANTHENE	
50	UG/L	BENZO-A-PYRENE	34247
50	UG/L	INDENO (1,2,3-CD) PYRENE	34403
50	UG/L	DIBENZO(A,H)ANTHRACENE	34556
50	UG/L	BENZO(GHI)PERYLENE	34521
50	UG/L	2-CHLOROPHENOL	34586
50	UG/L	2-NITROPHENOL	34591
50	UG/L	PHENOL	34694
550	UG/L	2,4-DIMETHYLPHENOL	34606
50	UG/L	2,4-DICHLOROPHENOL	34601
50	UG/L	2,4,6-TRICHLOROPHENOL	34621
50	UG/L	4-CHLORO-3-METHYLPHENOL	34452
50	UG/L	2,4-DINITROPHENOL	34616
50	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
50	UG/L	PENTACHLOROPHENOL	39032
50	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C 345 SAMPLE TYPE: AMBWA

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CHU-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMB
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3694 INORG SAMPLE NO.: MD 386
CONTRACT LABORATORY(ORGANIC): ENVIROLYDE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *A1-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/L	N-NITROSODIMETHYLAMINE	34438
50	UG/L	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34346
50	UG/L	BENZIDINE	39120
50	UG/L	1,3-DICHLOROBENZENE	34566
50	UG/L	1,4-DICHLOROBENZENE	34571
50	UG/L	1,2-DICHLOROBENZENE	34536
50	UG/L	BIS(2-CHLOROETHYL) ETHER	34273
50	UG/L	HEXACHLOROETHANE	34396
50	UG/L	BIS(2-CHLOROISOPROPYL) ETHER	[redacted]
50	UG/L	N-NITROSODI-N-PROPYLAMINE	[redacted]
50	UG/L	NITROBENZENE	[redacted]
50	UG/L	HEXACHLOROBUTADIENE	[redacted]
50	UG/L	1,2,4-TRICHLOROBENZENE	34551
50	UG/L	NAPHTHALENE	34696
50	UG/L	BIS(2-CHLOROETHOXY) METHANE	34278
50	UG/L	ISOPHORONE	34408
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50	UG/L	2-CHLORONAPHTHALENE	34581
50	UG/L	ACENAPHTHYLENE	34200
50	UG/L	ACENAPHTHENE	34205
50	UG/L	DIMETHYL PHTHALATE	34341
50	UG/L	2,4-DINITROTOLUENE	34611
50	UG/L	2,6-DINITROTOLUENE	34626
50	UG/L	4-CHLOROPHENYL PHENYL ETHER	34641
50	UG/L	FLUORENE	34581
50	UG/L	DIETHYL PHTHALATE	34336
50	UG/L	N-NITROSODIPHENLYAMINE/DIPHENYLAMINE	34433
50	UG/L	HEXACHLOROBENZENE (HCB)	39700
50	UG/L	4-BROMOPHENYL PHENYL ETHER	34636
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50	UG/L	3,3'-DICHLOROBENZIDINE	34631
50	UG/L	DI-N-OCTYLPHTHALATE	34596
50	UG/L	BENZO(B)FLUORANTHENE	
50	UG/L	BENZO(K)FLUORANTHENE	
50	UG/L	BENZO-A-PYRENE	34247
50	UG/L	INDENO (1,2,3-CD) PYRENE	34403
50	UG/L	DIBENZO(A,H)ANTHRACENE	34556
50	UG/L	BENZO(GHI)PERYLENE	34521
50	UG/L	2-CHLOROPHENOL	34586
50	UG/L	2-NITROPHENOL	34591
50	UG/L	PHENOL	34694
50	UG/L	2,4-DIMETHYLPHENOL	34606
50	UG/L	2,4-DICHLOROPHENOL	34601
50	UG/L	2,4,6-TRICHLOROPHENOL	34621
50	UG/L	4-CHLORO-3-METHYLPHENOL	34452
NA	UG/L	2,4-DINITROPHENOL	34616
50	UG/L	2-METHYL-4,6-DINITROPHENOL	34657
50	UG/L	PENTACHLOROPHENOL	39032
50	UG/L	4-NITROPHENOL	34646

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: BAC 335 SAMPLE TYPE: AQUEOUS

PROJECT NO.: 84-010 PROGRAM ELEMENT: MSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TU-CRU--
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/01/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3694 INORG SAMPLE NO.: MD 386
CONTRACT LABORATORY(ORGANIC): EVIRONYX ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRD DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS (+): UG/L	COMPOUND NAME
50	ACETONE
50	METHYL ETHYL KETONE
50	CARBON DISULFIDE
50	METHYL BUTYL KETONE
50	METHYL ISOBUTYL KETONE
50	STYRENE
50	VINYL ACETATE
50	DICHLORODIFLUOROMETHANE
50	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C 346 SAMPLE TYPE: AMBAA

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3896 INORG SAMPLE NO.: NA 388
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

34 A-19

**********ANALYTICAL RESULTS*****

RESULTS	UG/L	COMPOUND NAME
50		ACETONE
24		4-ETHYL ETHYL KETONE
10		CARBON DISULFIDE
9		4-ETHYL METYL KETONE
50		4-ETHYL ISOBUTYL KETONE
50		STYRENE
50		VINYL ACETATE
50		DICHLORODIFLUOROMETHANE
50		BROMOMETHANE/CHLOROMETHANE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
WATER

SAMPLE NO.: N4C 442 SAMPLE TYPE: MONWL

PROJECT NO.: N4-010 PROGRAM ELEMENT: MSC
SOURCE: TERRELL DR. DOMP
CITY: DANVILLE STATE: KY

STATION I.D.: TO-GW-01
STORET STATION: 401

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3545 INORG SAMPLE NO.: 0 401
CONTRACT LABORATORY(ORGANIC): PONTEROYAL S.G.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANALTLAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TMP DATA VERIFIED BY: JAS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS	ID: UG/L	COMPOUND NAME
5000		ACETONE
50		METHYL ETHYL KETONE
50		CARBON DISULFIDE
50		METHYL BUTYL KETONE
50		METHYL ISOBUTYL KETONE
50		STYRENE
50		VINYL ACETATE
50		DICHLORODIFLUOROMETHANE
50		FLUOROTRICHLOROMETHANE
20000		TOTAL XYLENES

****

FOOTNOTES
*A-AVERAGE VALUE *B-NOT ANALYZED * SIGNIFICANCE
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: R4C 342 SAMPLE TYPE: CONSL

PROJECT NO.: R4-010 PROGRAM ELEMENT: HSF
SOURCE: TERRELL DR. CORP
CITY: DANVILLE STATE: KY

STATION I.D.: FD-G4-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE RECD: DATE/TIME 00/00/00 RECD BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3545 INORG SAMPLE NO.: 40 401
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: FDR SAMPLE DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100	UG/L	ACROLEIN	34210
100	UG/L	ACRYLONITRILE	34215
50	UG/L	CHLOROMETHANE	34418
50	UG/L	BROMOMETHANE	34413
50	UG/L	VINYL CHLORIDE	39175
50	UG/L	CHLOROETHANE	34311
300	UG/L	METHYLENE CHLORIDE	34423
50	UG/L	1,1-DICHLOROETHENE	34501
50	UG/L	1,1-DICHLOROETHANE	34496
50	UG/L	TRANS-1,2-DICHLOROETHENE	34546
50	UG/L	CHLOROFORM	32106
50	UG/L	1,2-DICHLOROETHANE	32103
100	UG/L	1,1,1-TRICHLOROETHANE	34506
50	UG/L	CARBON TETRACHLORIDE	32102
50	UG/L	BROMODICHLOROMETHANE	32101
50	UG/L	1,2-DICHLOROPROPANE	34541
50	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
100	UG/L	TRICHLOROETHENE	39180
50	UG/L	BENZENE	78124
50	UG/L	DIBROMOCHLOROMETHANE	34306
50	UG/L	1,1,2-TRICHLOROETHANE	34511
50	UG/L	CIS-1,3-DICHLOROPROPENE	34704
50	UG/L	2-CHLOROETHYLVINYL ETHER	34576
50	UG/L	BROMOFORM	32104
50	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
50	UG/L	TETRACHLOROETHENE	34475
79	UG/L	TOLUENE	78131
50	UG/L	CHLOROBENZENE	34301
5600	UG/L	ETHYL BENZENE	34371
--	UG/L	M-XYLENE	
--	UG/L	O&P-XYLENE(PARA)	

****

FOOTNOTES
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*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: RIC 345 SAMPLE TYPE: A-RRA

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CHU-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3694 INORG SAMPLE NO.: MC 386
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRH SAMPLE DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
50	UG/L	ACROLEIN	34210
50	UG/L	ACRYLONITRILE	34215
50	UG/L	CHLOROMETHANE	34418
50	UG/L	BROMOMETHANE	34413
50	UG/L	VINYL CHLORIDE	39175
50	UG/L	CHLOROETHANE	34311
50	UG/L	METHYLENE CHLORIDE	34423
50	UG/L	1,1-DICHLOROETHENE	34501
50	UG/L	1,1-DICHLOROETHANE	34496
50	UG/L	TRANS-1,2-DICHLOROETHENE	34546
50	UG/L	CHLOROFORM	32106
50	UG/L	1,2-DICHLOROETHANE	32103
50	UG/L	1,1,1-TRICHLOROETHANE	34506
50	UG/L	CARBON TETRACHLORIDE	32102
50	UG/L	BROMODICHLOROMETHANE	32101
50	UG/L	1,2-DICHLOROPROPANE	34541
50	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
100	UG/L	TRICHLOROETHENE	39180
50	UG/L	BENZENE	78124
50	UG/L	DIBROMOCHLOROMETHANE	34306
50	UG/L	1,1,2-TRICHLOROETHANE	34511
50	UG/L	CIS-1,3-DICHLOROPROPENE	34704
50	UG/L	2-CHLOROETHYLVINYL ETHER	34576
50	UG/L	BROMOFORM	32104
50	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
50	UG/L	TETRACHLOROETHENE	34475
50	UG/L	TOLUENE	78131
50	UG/L	CHLOROBENZENE	34301
50	UG/L	ETHYL BENZENE	34371
50	UG/L	M-XYLENE	
50	UG/L	O&P-XYLENE(MIXED)	

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
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*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
WATER

SAMPLE NO.: 84C 346 SAMPLE TYPE: AMBIA

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-W
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: HRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3696 INORG SAMPLE NO.: ND 388
CONTRACT LABORATORY(ORGANIC): ENVIRODYNE ENG.
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
100	UG/L	ACROLEIN	34210
100	UG/L	ACRYLONITRILE	34215
50	UG/L	CHLOROMETHANE	34418
50	UG/L	BROMOMETHANE	34413
50	UG/L	VINYL CHLORIDE	39175
50	UG/L	CHLOROETHANE	34311
200	UG/L	METHYLENE CHLORIDE	34423
50	UG/L	1,1-DICHLOROETHENE	34501
50	UG/L	1,1-DICHLOROETHANE	34496
50	UG/L	TRANS-1,2-DICHLOROETHENE	34536
20	UG/L	CHLOROFORM	32106
50	UG/L	1,2-DICHLOROETHANE	32103
50	UG/L	1,1,1-TRICHLOROETHANE	34506
50	UG/L	CARBON TETRACHLORIDE	32102
50	UG/L	BROMODICHLOROMETHANE	32101
50	UG/L	1,2-DICHLOROPROPANE	34541
50	UG/L	TRANS-1,3-DICHLOROPROPENE	34699
50	UG/L	TRICHLOROETHENE	39180
50	UG/L	BENZENE	78124
50	UG/L	DIBROMOCHLOROMETHANE	34306
50	UG/L	1,1,2-TRICHLOROETHANE	34511
50	UG/L	CIS-1,3-DICHLOROPROPENE	34704
50	UG/L	2-CHLOROETHYLVINYL ETHER	34576
50	UG/L	BROMOFORM	32104
50	UG/L	1,1,2,2-TETRACHLOROETHANE	34516
50	UG/L	TETRACHLOROETHENE	34475
50	UG/L	TOLUENE	78131
50	UG/L	CHLOROBENZENE	34301
50	UG/L	ETHYL BENZENE	34371
50	UG/L	M-XYLENE	
50	UG/L	O&P-XYLENE(MIXED)	

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: H4C 335 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3542 INORG SAMPLE NO.: MD 398
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TMH SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON ART WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.50	MG/KG	SILVER	01076
15	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
110	MG/KG	BARIUM	01008
0.47	MG/KG	BERYLLIUM	01013
2X	MG/KG	CADMIUM	01028
6.9	MG/KG	COBALT	01038
15	MG/KG	CHROMIUM	01029
27	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
12	MG/KG	NICKEL	01068
99	MG/KG	LEAD	01052
10	MG/KG	ANTIMONY	01098
10	MG/KG	SELENIUM	01148
26X	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.50	MG/KG	THALLIUM	34480
13	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
350	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.5	MG/KG	MERCURY	71921
5900	MG/KG	ALUMINUM	01108
720	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
14000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
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*J=ESTIMATED VALUE *M=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 336 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3543 INORG SAMPLE NO.: MD 399
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBH SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
20	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
160	MG/KG	BARIUM	01008
0.72	MG/KG	BERYLLIUM	01013
1.3X	MG/KG	CADMIUM	01028
8.0	MG/KG	COBALT	01038
11	MG/KG	CHROMIUM	01029
10	MG/KG	COPPER	[illegible]
NA	MG/KG	MOLYBDENUM	[illegible]
11	MG/KG	NICKEL	[illegible]
37	MG/KG	LEAD	01052
1U	MG/KG	ANTIMONY	01098
1U	MG/KG	SELENIUM	01148
24X	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
15	MG/KG	VANADIUM	01086
NA	MG/KG	YTTRIUM	45514
180	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.1U	MG/KG	MERCURY	71921
11000	MG/KG	ALUMINUM	01108
870	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
16000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 337 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AB-03
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3544 INORG SAMPLE NO.: MD 400
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
24	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
120	MG/KG	BARIUM	01008
1.3	MG/KG	BERYLLIUM	01013
2X	MG/KG	CADMIUM	01028
9.9	MG/KG	COBALT	01038
15	MG/KG	CHROMIUM	01029
12	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
14	MG/KG	NICKEL	01068
50	MG/KG	LEAD	01052
1U	MG/KG	ANTIMONY	01098
1U	MG/KG	SELENIUM	01148
16X	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
22	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
66	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.1U	MG/KG	MERCURY	71921
11000	MG/KG	ALUMINUM	01108
360	MG/KG	MANGANESE	01055
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
26000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

14

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 347 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-C8-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3700 INORG SAMPLE NO.: MD 392
CONTRACT LABORATORY(ORGANIC): PEDCO ENVIRON INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
26	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
220	MG/KG	BARIUM	01006
0.84	MG/KG	BERYLLIUM	01013
2.7X	MG/KG	CADMIUM	01028
8.4	MG/KG	COBALT	01036
18	MG/KG	CHROMIUM	01029
220	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
19	MG/KG	NICKEL	01068
480	MG/KG	LEAD	01052
1U	MG/KG	ANTIMONY	01098
1U	MG/KG	SELENIUM	01148
24X	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
18	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
380	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.36	MG/KG	MERCURY	71921
11000	MG/KG	ALUMINUM	01108
1100	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
22000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 334 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TU-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: HAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3541 INORG SAMPLE NO.: MD 497
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: WAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.50	MG/KG	SILVER	01078
16	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
74	MG/KG	BARIUM	01008
0.55	MG/KG	BERYLLIUM	01013
1.2X	MG/KG	CADMIUM	01028
7.5	MG/KG	COBALT	01038
7.9	MG/KG	CHROMIUM	01029
9.7	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
9.7	MG/KG	NICKEL	01068
50	MG/KG	LEAD	01052
10	MG/KG	ANTIMONY	01098
10	MG/KG	SELENIUM	01148
15X	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.50	MG/KG	THALLIUM	34480
12	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
44	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.10	MG/KG	MERCURY	71921
7600	MG/KG	ALUMINUM	01108
610	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
14000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

43

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 340 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3698 INORG SAMPLE NO.: MD 390
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.50	MG/KG	SILVER	01078
41	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
260	MG/KG	BARIUM	01008
4.0	MG/KG	BERYLLIUM	01013
9.3	MG/KG	CADMIUM	01028
28	MG/KG	COBALT	01038
20	MG/KG	CHROMIUM	01029
41	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
16	MG/KG	NICKEL	01068
49	MG/KG	LEAD	01052
10	MG/KG	ANTIMONY	01098
10	MG/KG	SELENIUM	01148
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.50	MG/KG	THALLIUM	34480
72	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
130	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.10	MG/KG	MERCURY	71921
9700	MG/KG	ALUMINUM	01108
2200	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
130000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 341 SAMPLE TYPE: LEACH

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3699 INORG SAMPLE NO.: NO 341
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TPR SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.5U	MG/KG	SILVER	01078
21	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
300	MG/KG	BARIUM	01008
1.9	MG/KG	BERYLLIUM	01013
5.2X	MG/KG	CADMIUM	01028
20	MG/KG	COBALT	01038
20	MG/KG	CHROMIUM	01029
50	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
22	MG/KG	NICKEL	01068
390	MG/KG	LEAD	01052
1U	MG/KG	ANTIMONY	01098
1U	MG/KG	SELENIUM	01148
40X	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.5U	MG/KG	THALLIUM	34480
38	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
110	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.1U	MG/KG	MERCURY	71921
7600	MG/KG	ALUMINUM	01108
1700	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
67000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

5h

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FOOTNOTES
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*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 349 SAMPLE TYPE: SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: WSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3697 INORG SAMPLE NO.: MD 389
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TDR SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.50	MG/KG	SILVER	01078
21	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
203	MG/KG	BARIUM	01008
3.0	MG/KG	BERYLLIUM	01013
6.1X	MG/KG	CADMIUM	01028
21	MG/KG	COBALT	01038
18	MG/KG	CHROMIUM	01029
42	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
13	MG/KG	NICKEL	01068
140	MG/KG	LEAD	01052
10	MG/KG	ANTIMONY	01098
10	MG/KG	SELENIUM	01148
10	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.50	MG/KG	THALLIUM	34480
50	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
110	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.10	MG/KG	MERCURY	71921
9600	MG/KG	ALUMINUM	01108
1600	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
42000	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00936
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

44

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FOOTNOTES
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*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTE'
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 338 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CHU-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: DD 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRR SAMPLE DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS
X-VALUE IS SUSPECT

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	ELEMENT	STORET
0.50	MG/KG	SILVER	01078
10	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
99	MG/KG	BARIUM	01028
0.250	MG/KG	BERYLLIUM	01013
0.5X	MG/KG	CADMIUM	01028
3.0	MG/KG	COBALT	01038
25	MG/KG	CHROMIUM	01029
31	MG/KG	COPPER	01043
NA	MG/KG	MOLYBDENUM	01063
6.3	MG/KG	NICKEL	01068
330	MG/KG	LEAD	01052
10	MG/KG	ANTIMONY	01098
10	MG/KG	SELENIUM	01148
12X	MG/KG	TIN	01103
NA	MG/KG	STRONTIUM	01083
NA	MG/KG	TELLURIUM	45513
NA	MG/KG	TITANIUM	01153
0.50	MG/KG	THALLIUM	34480
100	MG/KG	VANADIUM	01088
NA	MG/KG	YTTRIUM	45514
66	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
0.10	MG/KG	MERCURY	71921
4800	MG/KG	ALUMINUM	01108
640	MG/KG	MANGANESE	01053
NA	MG/KG	CALCIUM	00917
NA	MG/KG	MAGNESIUM	00924
5900	MG/KG	IRON	01170
NA	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
NA	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 335 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3542 INORG SAMPLE NO.: MD 398
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.75	MG/KG	CYANIDE	00721

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 336 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-A8-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3543 INORG SAMPLE NO.: MD 399
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.50	MG/KG	CYANIDE	00721

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.50	MG/KG	CYANIDE	00721

02/29/84

SPECIFIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 337 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: HSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-A5-03
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3544 INORG SAMPLE NO.: [illegible]
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THR DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.5	MG/KG	CYANIDE	00721

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 347 SAMPLE TYPE: SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: HRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3700 INORG SAMPLE NO.: D 392
CONTRACT LABORATORY(ORGANIC): PEDCO ENVIROD INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBR DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.50	MG/KG	CYANIDE	00721

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 334 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: HSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3541 INORG SAMPLE NO.: D 397
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: FBB DATA VERIFIED BY: MAJ

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.50	MG/KG	CYANIDE	00721

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 340 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3698 INORG SAMPLE NO.: FD 390
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.50	MG/KG	CYANIDE	00721

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 341 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3699 INORG SAMPLE NO.: MD 391
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

[redacted]8/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 339 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-8
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3697 INORG SAMPLE NO.: MD 389
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

[redacted]

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.5U	MG/KG	CYANIDE	00721

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	PARAMETER	STORET
0.50	MG/KG	CYANIDE	00721

02/29/84

SPECIFIED ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 338 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-8
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: MAW CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: MD 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: MAW

REMARKS
DATA REPORTED ON WET WEIGHT BASIS

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FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/10/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 335 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3542 INORG SAMPLE NO.: MD 398
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000U	UG/KG	ACROLEIN	34213
2000U	UG/KG	ACRYLONITRILE	34210
2000U	UG/KG	CHLOROMETHANE	34421
2000U	UG/KG	BROMOMETHANE	34416
2000U	UG/KG	VINYL CHLORIDE	34495
2000U	UG/KG	CHLOROETHANE	34314
2000U	UG/KG	METHYLENE CHLORIDE	34426
2000U	UG/KG	1,1-DICHLOROETHENE	34504
2000U	UG/KG	1,1-DICHLOROETHANE	34499
2000U	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
2000U	UG/KG	CHLOROFORM	34318
2000U	UG/KG	1,2-DICHLOROETHANE	34534
2000U	UG/KG	1,1,1-TRICHLOROETHANE	34509
2000U	UG/KG	CARBON TETRACHLORIDE	34299
2000U	UG/KG	BROMODICHLOROMETHANE	34330
2000U	UG/KG	1,2-DICHLOROPROPANE	34544
2000U	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
2000U	UG/KG	TRICHLOROETHENE	34487
2000U	UG/KG	BENZENE	34237
2000U	UG/KG	DIBROMOCHLOROMETHANE	34309
2000U	UG/KG	1,1,2-TRICHLOROETHANE	34514
2000U	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
2000U	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
2000U	UG/KG	BROMOFORM	34290
2000U	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
2000U	UG/KG	TETRACHLOROETHENE	34478
20J	UG/KG	TOLUENE	34483
20U	UG/KG	CHLOROBENZENE	34304
20J	UG/KG	ETHYLBENZENE	34374
--	UG/KG	M-XYLENE	
--	UG/KG	O,P-XYLENE(MIXED)	
--	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

PURGEABLE ORGANICS ANALYSIS, MISC
DATA SUMMARY SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 338 SAMPLE TYPE: AUGER/SOIL

PROGRAM ELEMENT: NSF
DR. DUMP
STATE: KY

COLLECTION: STOP DATE/TIME 00/00/00

BY: BRAD WALLACE RECEIVED FROM:
REC'D: DATE,/TIME 00/00/00 REC'D BY:

METHOD:

CASE NO.: 2128 ORG SAMPLE NO: D 3542 INORG SAMPLE NO.: MD 398
CONTRACT LABORATORY(ORGANIC): REDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

DOC VERIFIED BY: TBB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
200U	ACETONE
200U	METHYL ETHYL KETONE
200U	CARBON DISULFIDE
200U	METHYL BUTYL KETONE
200U	METHYL ISOBUTYL KETONE
200U	STYRENE
200U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
200U	FLUOROTRICHLOROMETHANE
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

****

VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
ESTIMATED VALUE *H-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*L-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*G-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

08/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 336 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TO-A8-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3543 INORG SAMPLE NO.: MD 399
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000U	UG/KG	ACROLEIN	34213
2000U	UG/KG	ACRYLONITRILE	34218
200U	UG/KG	CHLOROMETHANE	34421
200U	UG/KG	BROMOMETHANE	34416
200U	UG/KG	VINYL CHLORIDE	34495
200U	UG/KG	CHLOROETHANE	34314
200U	UG/KG	METHYLENE CHLORIDE	34426
200U	UG/KG	1,1-DICHLOROETHENE	34504
200U	UG/KG	1,1-DICHLOROETHANE	34499
200U	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
200U	UG/KG	CHLOROFORM	34318
200U	UG/KG	1,2-DICHLOROETHANE	34534
~~200U~~	~~UG/KG~~	~~1,1,1-TRICHLOROETHANE~~	34509
200U	UG/KG	CARBON TETRACHLORIDE	34299
200U	UG/KG	BROMODICHLOROMETHANE	34330
200U	UG/KG	1,2-DICHLOROPROPANE	34544
200U	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
200U	UG/KG	TRICHLOROETHENE	34487
200U	UG/KG	BENZENE	34237
200U	UG/KG	DIBROMOCHLOROMETHANE	34309
200U	UG/KG	1,1,2-TRICHLOROETHANE	34514
200U	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
200U	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
200U	UG/KG	BROMOFORM	34290
200U	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
200U	UG/KG	TETRACHLOROETHENE	34475
~~200U~~	~~UG/KG~~	~~TOLUENE~~	34483
200U	UG/KG	CHLOROBENZENE	34301
~~200U~~	~~UG/KG~~	~~ETHYL BENZENE~~	34371
--	UG/KG	M-XYLENE	
--	UG/KG	O&P-XYLENE(MIXED)	
--	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/10/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 336 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: HRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3543 INORG SAMPLE NO.: ND 399
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBH DATA VERIFIED BY: JMS

40

REMARKS

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FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
200U	ACETONE
200U	METHYL ETHYL KETONE
200U	CARBON DISULFIDE
~~200~~	~~METHYL BUTYL KETONE~~
200U	METHYL ISOBUTYL KETONE
200U	STYRENE
200U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
200U	FLUOROTRICHLOROMETHANE
~~200~~	~~TOTAL XYLENE~~
~~200N~~	~~CYCLOHEXANONE~~
~~200N~~	~~C4 ALKYLBENZENE~~

1110527

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 337 SAMPLE TYPE: SLUDGE/SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-A6-03
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3544 INORG SAMPLE NO.: [illegible] 400
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TOM SAMPLE DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000	UG/KG	ACROLEIN	34213
2000	UG/KG	ACRYLONITRILE	34218
2000	UG/KG	CARBON DISULFIDE	34421
2000	UG/KG	[illegible]	34416
2000	UG/KG	VINYL ACETATE	34475
2000	UG/KG	[illegible]	34314
2000	UG/KG	[illegible]	34420
2000	UG/KG	1,1-DICHLOROETHENE	34504
2000	UG/KG	1,1-DICHLOROETHANE	34449
2000	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
200J	UG/KG	CHLOROFORM	34318
2000	UG/KG	1,2-DICHLOROETHANE	34534
2000	UG/KG	1,1,1-TRICHLOROETHANE	34509
2000	UG/KG	CARBON TETRACHLORIDE	34299
2000	UG/KG	BROMODICHLOROMETHANE	34330
2000	UG/KG	1,2-DICHLOROPROPANE	34544
2000	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
2000	UG/KG	TRICHLOROETHENE	34487
2000	UG/KG	BENZENE	34237
2000	UG/KG	DIBROMOCHLOROMETHANE	34309
2000	UG/KG	1,1,2-TRICHLOROETHANE	34514
2000	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
2000	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
2000	UG/KG	BROMOFORM	34290
200J	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
2000	UG/KG	TETRACHLOROETHENE	34478
2000	UG/KG	TOLUENE	34483
200J	UG/KG	CHLOROBENZENE	34304
400	UG/KG	ETHYL BENZENE	34374
--	UG/KG	O-XYLENE	
--	UG/KG	M&P-XYLENE (MIXED)	
--	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NI=INTERFERENCES
*J=ESTIMATED VALUE *P=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE [illegible] DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD, REG IV
ATHENS GEORGIA

PURGEABLE ORGANICS ANALYSIS, MISC
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 337 SAMPLE TYPE: AUGER/SOIL

[illegible] PROGRAM ELEMENT: NSF
SOURCE: TEARELL DR. DUMP
CITY: DANVILLE STATE: KY

[illegible] ID: TD-AS-03
STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:

[illegible]
[illegible]ICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3544 INORG SAMPLE NO.: MD 400
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: JMS

REMARKS

****

[illegible]
[illegible] VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
[illegible]ATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
[illegible]ICAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
[illegible]ICAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
200U	ACETONE
200U	METHYL ETHYL KETONE
200U	CARBON DISULFIDE
200U	METHYL BUTYL KETONE
200U	METHYL ISOBUTYL KETONE
40J	STYRENE
200U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
200U	FLUOROTRICHLOROMETHANE
[illegible]	TOTAL XYLENES
[illegible]	C8 ALKYLBENZENES (2 ISOMERS)
[illegible]	2 UNIDENTIFIED COMPOUNDS

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 147 SAMPLE TYPE: SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: ROAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JAS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: F 1730 INORG SAMPLE NO.: NO 397
CONTRACT LABORATORY(ORGANIC): PEDCO ENVIRON INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: DWB SAMPLE DATA VERIFIED BY: JAS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000U	UG/KG	ACROLEIN	34213
2000U	UG/KG	ACRYLONITRILE	34215
200U	UG/KG	CHLOROMETHANE	34421
200U	UG/KG	BROMOMETHANE	34416
200U	UG/KG	VINYL CHLORIDE	34495
200U	UG/KG	CHLOROETHANE	34314
200U	UG/KG	METHYLENE CHLORIDE	34420
200U	UG/KG	1,1-DICHLOROETHENE	34504
200U	UG/KG	1,1-DICHLOROETHANE	34499
200U	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
200	UG/KG	CHLOROFORM	34318
200U	UG/KG	1,2-DICHLOROETHANE	34534
200U	UG/KG	1,1,1-TRICHLOROETHANE	34509
200U	UG/KG	CARBON TETRACHLORIDE	34299
200U	UG/KG	BROMODICHLOROMETHANE	34330
200U	UG/KG	1,2-DICHLOROPROPANE	34544
200U	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
200U	UG/KG	TRICHLOROETHENE	34487
200U	UG/KG	BENZENE	34237
200U	UG/KG	DIBROMOCHLOROETHANE	34309
200U	UG/KG	1,1,2-TRICHLOROETHANE	34514
200U	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
200U	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
200	UG/KG	BROMOFORM	34290
200U	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
200U	UG/KG	TETRACHLOROETHENE	34478
200U	UG/KG	TOLUENE	34483
200	UG/KG	CHLOROBENZENE	34304
200	UG/KG	ETHYL BENZENE	34371
--	UG/KG	M-XYLENE	
--	UG/KG	O&P-XYLENE (ORTHO)	
	%	DISTORE	74320

****

FOOTNOTES
*A=AVERAGE VALUE *B=NOT ANALYZED *BAI=INTERFERENCES
*J=ESTIMATED VALUE *D=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE INSTRUMENT DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 347 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-C8-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3700 INORG SAMPLE NO.: 3P 342
CONTRACT LABORATORY(ORGANIC): PEDCO ENVIRON INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG.	COMPOUND NAME
2000	ACETONE
2000	METHYL ETHYL KETONE
2000	CARBON DISULFIDE
200	METHYL BUTYL KETONE
200	METHYL ISOBUTYL KETONE
200	STYRENE
2000	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
2000	FLUOROTRICHLOROMETHANE
200	TOTAL XYLENES

**********FOOTNOTES***
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: HAC 334 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-C8-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: HEAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 OPG SAMPLE NO: O 3541 INORG SAMPLE NO.: MD 397
CONTRACT LABORATORY(ORGANIC): PERCO ENV I-C
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE DOG VERIFIED BY: THH SAMPLE DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
20000	UG/KG	ACROLEIN	34213
20000	UG/KG	ACRYLONITRILE	34218
2000	UG/KG	CHLOROMETHANE	34421
2000	UG/KG	BROMOMETHANE	34416
2000	UG/KG	VINYL CHLORIDE	34495
2000	UG/KG	CHLOROETHANE	34314
2000	UG/KG	METHYLENE CHLORIDE	34426
2000	UG/KG	1,1-DICHLOROETHENE	34504
2000	UG/KG	1,1-DICHLOROETHANE	34499
2000	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
2000	UG/KG	CHLOROFORM	34318
2000	UG/KG	1,2-DICHLOROETHANE	34534
2000	UG/KG	1,1,1-TRICHLOROETHANE	34509
2000	UG/KG	CARBON TETRACHLORIDE	34299
2000	UG/KG	BROMODICHLOROMETHANE	34330
2000	UG/KG	1,2-DICHLOROPROPANE	34544
2000	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
2000	UG/KG	TRICHLOROETHENE	34487
2000	UG/KG	BENZENE	34237
2000	UG/KG	DIBROMOCHLOROMETHANE	34309
2000	UG/KG	1,1,2-TRICHLOROETHANE	34514
2000	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
2000	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
2000	UG/KG	BROMOFORM	34290
2000	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
2000	UG/KG	TETRACHLOROETHENE	34478
2000	UG/KG	TOLUENE	34483
2000	UG/KG	CHLOROBENZENE	34304
2000	UG/KG	ETHYL BENZENE	34374
--	UG/KG	M-XYLENE	
--	UG/KG	O&P-XYLENE(MIXED)	
--	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *P=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 334 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP. DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE./TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3541 INORG SAMPLE NO.: AD 397
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRH DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
2000	ACETONE
2000	METHYL ETHYL KETONE
2000	CARBON DISULFIDE
2000	METHYL BUTYL KETONE
200	METHYL ISOBUTYL KETONE
200	STYRENE
2000	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
2000	FLUOROTRICHLOROMETHANE
~~200~~	~~TOTAL XYLENES~~
~~900*~~	~~1 UNIDENTIFIED COMPOUND~~

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 338 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: MD 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THB SAMPLE DATA VERIFIED BY: JMS

REMARKS
DATA SUSPECT BASED ON QUALITY CONTROL--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000U	UG/KG	ACROLEIN	34213
2000U	UG/KG	ACRYLONITRILE	34218
2000U	UG/KG	CHLOROMETHANE	34421
2000U	UG/KG	BROMOMETHANE	34416
2000U	UG/KG	VINYL CHLORIDE	34495
2000U	UG/KG	CHLOROETHANE	34314
2000U	UG/KG	METHYLENE CHLORIDE	34446
2000U	UG/KG	1,1-DICHLOROETHENE	34504
2000U	UG/KG	1,1-DICHLOROETHANE	34499
2000U	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
2000U	UG/KG	CHLOROFORM	34318
2000U	UG/KG	1,2-DICHLOROETHANE	34534
2000U	UG/KG	1,1,1-TRICHLOROETHANE	34509
2000U	UG/KG	CARBON TETRACHLORIDE	34299
2000U	UG/KG	BROMODICHLOROMETHANE	34330
2000U	UG/KG	1,2-DICHLOROPROPANE	34544
2000U	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
20J	UG/KG	TRICHLOROETHENE	34487
2000U	UG/KG	BENZENE	34237
2000U	UG/KG	DIBROMOCHLOROMETHANE	34309
2000U	UG/KG	1,1,2-TRICHLOROETHANE	34514
2000U	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
2000U	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
2000U	UG/KG	BROMOFORM	34290
2000U	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
2000U	UG/KG	TETRACHLOROETHENE	34478
20J	UG/KG	TOLUENE	34483
2000U	UG/KG	CHLOROBENZENE	34304
20J	UG/KG	ETHYL BENZENE	34374
--	UG/KG	M-XYLENE	
--	UG/KG	O&P-XYLENE(M-LAED)	
--	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 339 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-8
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMB
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3697 INORG SAMPLE NO.: MD 389
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: JMS

REMARKS

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000U	UG/KG	ACROLEIN	34213
2000U	UG/KG	ACRYLONITRILE	34218
200U	UG/KG	CHLOROMETHANE	34421
200U	UG/KG	BROMOMETHANE	34416
200U	UG/KG	VINYL CHLORIDE	34495
200U	UG/KG	CHLOROETHANE	34314
200U	UG/KG	METHYLENE CHLORIDE	34426
200U	UG/KG	1,1-DICHLOROETHENE	34504
200U	UG/KG	1,1-DICHLOROETHANE	34499
200U	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
80J	UG/KG	CHLOROFORM	34318
200U	UG/KG	1,2-DICHLOROETHANE	34534
200U	UG/KG	1,1,1-TRICHLOROETHANE	34509
200U	UG/KG	CARBON TETRACHLORIDE	34299
200U	UG/KG	BROMODICHLOROMETHANE	34330
200U	UG/KG	1,2-DICHLOROPROPANE	34544
200U	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
200U	UG/KG	TRICHLOROETHENE	34487
200U	UG/KG	BENZENE	34237
200U	UG/KG	DIBROMOCHLOROMETHANE	34309
200U	UG/KG	1,1,2-TRICHLOROETHANE	34514
200U	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
200U	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
200U	UG/KG	BROMOFORM	34290
200U	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
200U	UG/KG	TETRACHLOROETHENE	34475
200U	UG/KG	TOLUENE	34483
200U	UG/KG	CHLOROBENZENE	34304
200U	UG/KG	ETHYL BENZENE	34374
200U	UG/KG	O-XYLENE	
200U	UG/KG	M&P-XYLENE(MIXED)	
--	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 341 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3699 INORG SAMPLE NO.: MD 391
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB SAMPLE DATA VERIFIED BY: JMS

REMARKS

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000U	UG/KG	ACROLEIN	34213
2000U	UG/KG	ACRYLONITRILE	34215
200U	UG/KG	CHLOROMETHANE	34421
200U	UG/KG	BROMOMETHANE	34416
200U	UG/KG	VINYL CHLORIDE	34495
200U	UG/KG	CHLOROETHANE	34314
200U	UG/KG	METHYLENE CHLORIDE	34426
200U	UG/KG	1,1-DICHLOROETHENE	34504
200U	UG/KG	1,1-DICHLOROETHANE	34499
200U	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
~~200U~~	~~UG/KG~~	~~CHLOROFORM~~	~~34311~~
200U	UG/KG	1,2-DICHLOROETHANE	34531
200U	UG/KG	1,1,1-TRICHLOROETHANE	34509
200U	UG/KG	CARBON TETRACHLORIDE	34299
200U	UG/KG	BROMODICHLOROMETHANE	34330
200U	UG/KG	1,2-DICHLOROPROPANE	34541
200U	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
200U	UG/KG	TRICHLOROETHENE	34481
200U	UG/KG	BENZENE	34297
200U	UG/KG	DIBROMOCHLOROMETHANE	34309
200U	UG/KG	1,1,2-TRICHLOROETHANE	34511
200U	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
200U	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
200U	UG/KG	BROMOFORM	34290
200U	UG/KG	1,1,2,2-TETRACHLOROETHANE	34516
200U	UG/KG	TETRACHLOROETHENE	34475
200U	UG/KG	TOLUENE	34483
200U	UG/KG	CHLOROBENZENE	34301
200U	UG/KG	ETHYL BENZENE	34371
200U	UG/KG	M-XYLENE	
200U	UG/KG	O&P-XYLENE(MIXED)	
	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 340 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3698 INORG SAMPLE NO.: SD 390
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS 10: UG/KG	COMPOUND NAME
2000	ACETONE
2000	METHYL ETHYL KETONE
2000	CARBON DISULFIDE
2000	METHYL BUTYL KETONE
2000	METHYL ISOBUTYL KETONE
2000	STYRENE
2000	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
2000	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: H4C 341 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TO-LS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3699 INORG SAMPLE NO.: ID 391
CONTRACT LABORATORY(ORGANIC): REDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRH DATA VERIFIED BY: JHS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
2000	ACETONE
2000	METHYL ETHYL KETONE
2000	CARBON DISULFIDE
2000	METHYL BUTYL KETONE
2000	ETHYL ISOBUTYL KETONE
2000	STYRENE
2000	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
2000	FLUOROTRICHLOROMETHANE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD, REG IV
ATHENS GEORGIA

02/18/84

PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 339   SAMPLE TYPE: SOIL

PROJECT NO.: 84-010   PROGRAM ELEMENT: HSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE   STATE: KY

STATION I.D.: TD-CRD-8
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE   RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00   REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: E 3697 INORG SAMPLE NO.: [illegible] 389
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN A AL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TAB   DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS IN UG/KG	COMPOUND NAME
2000U	ACETONE
2000U	METHYL ETHYL KETONE
2000U	CARBON DISULFIDE
2000U	METHYL BUTYL KETONE
2000U	METHYL ISOBUTYL KETONE
2000U	STYRENE
2000U	VINYL ACETATE
NA	DICHLORODIFLUOROMETHANE
2000U	FLUOROTRICHLOROMETHANE

****

FOOTNOTES
*A=AVERAGE VALUE   *NA=NOT ANALYZED   *NAI=INTERFERENCES
*J=ESTIMATED VALUE   *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/19/84 PURGEABLE ORGANICS ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 338 SAMPLE TYPE: SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/01/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: DEAN WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: D 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: THM DATA VERIFIED BY: JAS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS (+): UG/KG	COMPOUND NAME
2000	ACETONE
2000	METHYL ETHYL KETONE
2000	CARBON DISULFIDE
2000	METHYL BUTYL KETONE
2000	METHYL ISOBUTYL KETONE
2000	STYRENE
2000	VINYL ACETATE
2A	DICHLORODIFLUOROMETHANE
2000	FLUOROTRICHLOROMETHANE
1300	TOTAL XYLENES
2000	C3 ALKYLBENZENE

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/10/84

PURGEABLE ORGANICS ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: B4C 340 SAMPLE TYPE: LEACH

PROJECT NO.: H4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL OR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: E 3698 INORG SAMPLE NO.: MD 390
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TDH SAMPLE DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
2000U	UG/KG	ACROLEIN	34213
2000U	UG/KG	ACRYLONITRILE	34218
2000	UG/KG	CHLOROMETHANE	34421
2000	UG/KG	BROMOMETHANE	34416
2000	UG/KG	VINYL CHLORIDE	34495
2000	UG/KG	CHLOROETHANE	34314
2000	UG/KG	METHYLENE CHLORIDE	34426
2000	UG/KG	1,1-DICHLOROETHENE	34504
2000	UG/KG	1,1-DICHLOROETHANE	34499
2000	UG/KG	TRANS-1,2-DICHLOROETHENE	34549
800J	UG/KG	CHLOROFORM	34318
2000	UG/KG	1,2-DICHLOROETHANE	34534
2000	UG/KG	1,1,1-TRICHLOROETHANE	34509
2000	UG/KG	CARBON TETRACHLORIDE	34299
2000	UG/KG	BROMODICHLOROMETHANE	34330
2000	UG/KG	1,2-DICHLOROPROPANE	34544
2000	UG/KG	TRANS-1,3-DICHLOROPROPENE	34697
2000	UG/KG	TRICHLOROETHENE	34487
2000	UG/KG	BENZENE	34237
2000	UG/KG	DIBROMOCHLORO-ETHANE	34309
2000	UG/KG	1,1,2-TRICHLOROETHANE	34514
2000	UG/KG	CIS-1,3-DICHLOROPROPENE	34702
2000	UG/KG	2-CHLOROETHYLVINYL ETHER	34579
2000	UG/KG	BROMOFORM	34290
2000	UG/KG	1,1,2,2-TETRACHLOROETHANE	34519
2000	UG/KG	TETRACHLORO-ETHENE	34478
2000	UG/KG	TOLUENE	34483
2000	UG/KG	CHLOROBENZENE	34304
2000	UG/KG	ETHYL BENZENE	34374
2000	UG/KG	M-XYLENE	
2000	UG/KG	O&P-XYLENE(MIXED)	
	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

1146201

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 336 SAMPLE TYPE: SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: JERRELL DR. DOAD
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: ND 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TOB DATA VERIFIED BY: JMS

REMARKS
BASE/NEUTRAL DATA SUSPECT BASED ON QC--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
20000	BENZOIC ACID
4000	2-METHYLPHENOL
400J	4-METHYLPHENOL
20000	2,4,5-TRICHLOROPHENOL
4000	ANILINE
4000	BENZYL ALCOHOL
5000	4-CHLOROANILINE
4000	DIBENZOFURAN
4000	2-METHYL NAPHTHALENE
20000	2-NITROANILINE
20000	3-NITROANILINE
20000	4-NITROANILINE
N	PETROLEUM PRODUCT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: H4C 338 SAMPLE TYPE: SOIL

PROJECT NO.: H4-010 PROGRAM ELEMENT: HSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CHU-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: MD 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS
BASE/NEUTRAL DATA SUSPECT BASED ON QC--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *A1=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
4000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
8000	UG/KG	BENZIDINE	39121
4000	UG/KG	1,3-DICHLOROBENZENE	34569
4000	UG/KG	1,4-DICHLOROBENZENE	34574
4000	UG/KG	1,2-DICHLOROBENZENE	34539
4000	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
4000	UG/KG	HEXACHLOROETHANE	34399
4000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
4000	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
4000	UG/KG	NITROBENZENE	34450
4000	UG/KG	HEXACHLOROBUTADIENE	39705
4000	UG/KG	1,2,4-TRICHLOROBENZENE	34554
4000	UG/KG	NAPHTHALENE	34445
4000	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
4000	UG/KG	ISOPHORONE	34411
4000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
4000	UG/KG	2-CHLORONAPHTHALENE	34584
4000	UG/KG	ACENAPHTHYLENE	34203
4000	UG/KG	ACENAPHTHENE	34208
4000	UG/KG	DIMETHYL PHTHALATE	34344
20000	UG/KG	2,4-DINITROTOLUENE	34614
20000	UG/KG	2,6-DINITROTOLUENE	34629
4000	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
4000	UG/KG	FLUORENE	34384
4000	UG/KG	DIETHYL PHTHALATE	34339
4000	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34436
4000	UG/KG	HEXACHLOROBENZENE (HCB)	39701
4000	UG/KG	4-BROMOPHENYL PHENYL ETHER	34639
400J	UG/KG	PHENANTHRENE	34464
4000	UG/KG	ANTHRACENE	34223
4000	UG/KG	DI-N-BUTYLPHTHALATE	39112
~~400J~~	~~UG/KG~~	~~FLUORANTHENE~~	34379
~~400J~~	~~UG/KG~~	~~PYRENE~~	34472
400U	UG/KG	BENZYL BUTYL PHTHALATE	34295
400U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
4000	UG/KG	BENZO(A)ANTHRACENE	34529
4000	UG/KG	CHRYSENE	34323
4000	UG/KG	3,3'-DICHLOROBENZIDINE	34634
4000	UG/KG	DI-N-OCTYLPHTHALATE	34599
4000	UG/KG	BENZO(B)FLUORANTHENE	
4000	UG/KG	BENZO(K)FLUORANTHENE	
4000	UG/KG	BENZO-A-PYRENE	34250
4000	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
4000	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
4000	UG/KG	BENZO(GHI)PERYLENE	34524
4000	UG/KG	2-CHLOROPHENOL	34589
4000	UG/KG	2-NITROPHENOL	34594
4000	UG/KG	PHENOL	34695
4000	UG/KG	2,4-DIMETHYLPHENOL	34609
4000	UG/KG	2,4-DICHLOROPHENOL	34604
4000	UG/KG	2,4,6-TRICHLOROPHENOL	34624
4000	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
4000	UG/KG	2,4-DINITROPHENOL	34619
4000	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
4000	UG/KG	PENTACHLOROPHENOL	39061
20000	UG/KG	4-NITROPHENOL	34649
--	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 336 SAMPLE TYPE: SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: MD 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE 300 VERIFIED BY: THR DATA VERIFIED BY: JMS

REMARKS
BASE/NEUTRAL DATA SUSPECT BASED ON QC--USE FOR "SCREENING" ONLY!!

*****ANALYTICAL RESULTS*****

RESULTS	ID: UG/KG	COMPOUND NAME
2000U		BENZOIC ACID
400U		2-METHYLPHENOL
40J		4-METHYLPHENOL
2000U		2,4,5-TRICHLOROPHENOL
400U		ANILINE
400U		BENZYL ALCOHOL
500U		4-CHLOROANILINE
400U		DIBENZOFURAN
400U		2-METHYL NAPHTHALENE
2000U		2-NITROANILINE
2000U		3-NITROANILINE
2000U		4-NITROANILINE
N		PETROLEUM PRODUCT

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATLANTA GEORGIA

02/19/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: MAC 338 SAMPLE TYPE: SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: USF
SOURCE: [illegible]
CITY: DANVILLE STATE: KY

STATION I.D.: TO-CHOS
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BEAU WALLACE RECEIVED FROM:
SAMPLE RECD: DATE/TIME 00/00/00 RECD BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3805 INORG SAMPLE NO.: [illegible]
CONTRACT LABORATORY(ORGANIC): PRECO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: [illegible] DATA VERIFIED BY: JMS

REMARKS
BASE/NEUTRAL DATA SUSPECT BASED ON QC--USE FOR "SCREENING" ONLY!!

****

FOOTNOTES
*A=AVERAGE VALUE *NA= NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *P=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
UA	UG/KG	3-METHYLPHENOL/4-METHYLPHENOL	34441
4000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
4000	UG/KG	[illegible]	39121
4000	UG/KG	1,4-DICHLOROBENZENE	34569
4000	UG/KG	1,3-DICHLOROBENZENE	34574
4000	UG/KG	1,2-DICHLOROBENZENE	34536
4000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34278
4000	UG/KG	HEXACHLOROETHANE	34399
4000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34288
4000	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
4000	UG/KG	NITROBENZENE	34450
4000	UG/KG	HEXACHLOROBUTADIENE	39705
4000	UG/KG	1,2,4-TRICHLOROBENZENE	34554
4000	UG/KG	NAPHTHALENE	34445
4000	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
4000	UG/KG	ISOPHORONE	34411
4000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
4000	UG/KG	2-CHLORONAPHTHALENE	34584
4000	UG/KG	ACENAPHTHYLENE	34203
4000	UG/KG	ACENAPHTHENE	34208
4000	UG/KG	DIBENZOFURAN/DIPHENYLENE OXIDE	34364
20000	UG/KG	2,4-DINITROTOLUENE	34614
20000	UG/KG	2,6-DINITROTOLUENE	34629
4000	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
4000	UG/KG	FLUORENE	34384
4000	UG/KG	DIETHYL PHTHALATE	34339
4000	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34436
4000	UG/KG	HEXACHLOROBENZENE (HCB)	39701
4000	UG/KG	4-BROMOPHENYL PHENYL ETHER	34636
4000	UG/KG	PHENANTHRENE	34464
4000	UG/KG	ANTHRACENE	34223
4000	UG/KG	DI-N-BUTYL PHTHALATE	39112
4000	UG/KG	FLUORANTHENE	34379
4000	UG/KG	PYRENE	34472
4000	UG/KG	BUTYL BENZYL PHTHALATE	34295
4000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
4000	UG/KG	BENZO(A)ANTHRACENE	34529
4000	UG/KG	CHRYSENE	34323
4000	UG/KG	3,3'-DICHLOROBENZIDINE	34634
4000	UG/KG	DI-N-OCTYL PHTHALATE	34599
4000	UG/KG	BENZO(B)FLUORANTHENE	
4000	UG/KG	BENZO(K)FLUORANTHENE	
4000	UG/KG	BENZO-A-PYRENE	34250
4000	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
4000	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
4000	UG/KG	BENZO(GHI)PERYLENE	34524
4000	UG/KG	2-CHLOROPHENOL	34589
4000	UG/KG	2-NITROPHENOL	34594
4000	UG/KG	PHENOL	34695
4000	UG/KG	2,4-DIMETHYLPHENOL	34609
4000	UG/KG	2,4-DICHLOROPHENOL	34604
4000	UG/KG	2,4,6-TRICHLOROPHENOL	34624
4000	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
4000	UG/KG	2,4-DINITROPHENOL	34619
4000	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
4000	UG/KG	PENTACHLOROPHENOL	34061
20000	UG/KG	4-NITROPHENOL	34649
--	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

03/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 335 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-A8-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3542 INORG SAMPLE NO.: MD 398
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
400U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
800U	UG/KG	BENZIDINE	39121
400U	UG/KG	1,3-DICHLOROBENZENE	34569
40J	UG/KG	1,4-DICHLOROBENZENE	34574
400U	UG/KG	1,2-DICHLOROBENZENE	34539
400U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
400U	UG/KG	HEXACHLOROETHANE	34399
400U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
400U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
400U	UG/KG	NITROBENZENE	34450
400U	UG/KG	HEXACHLOROBUTADIENE	39705
400U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
40J	UG/KG	NAPHTHALENE	34445
400U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
400U	UG/KG	ISOPHORONE	34411
400U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
400U	UG/KG	2-CHLORONAPHTHALENE	34584
400U	UG/KG	ACENAPHTHYLENE	34203
400U	UG/KG	ACENAPHTHENE	34208
400U	UG/KG	DIMETHYL PHTHALATE	34344
2000U	UG/KG	2,4-DINITROTOLUENE	34614
2000U	UG/KG	2,6-DINITROTOLUENE	34629
400U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
400U	UG/KG	FLUORENE	34384
400U	UG/KG	DIETHYL PHTHALATE	34339
40J	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34436
400U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
400U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34639
400U	UG/KG	PHENANTHRENE	34464
400U	UG/KG	ANTHRACENE	34223
400U	UG/KG	DI-N-BUTYLPHTHALATE	39112
40J	UG/KG	FLUORANTHENE	34379
40J	UG/KG	PYRENE	34472
400U	UG/KG	BENZYL BUTYL PHTHALATE	34295
400U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
400U	UG/KG	BENZO(A)ANTHRACENE	34529
400U	UG/KG	CHRYSENE	34323
400U	UG/KG	3,3'-DICHLOROBENZIDINE	34634
400U	UG/KG	DI-N-OCTYLPHTHALATE	34599
400U	UG/KG	BENZO(B)FLUORANTHENE	
400U	UG/KG	BENZO(K)FLUORANTHENE	
400U	UG/KG	BENZO-A-PYRENE	34250
400U	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
400U	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
400U	UG/KG	BENZO(GHI)PERYLENE	34524
400U	UG/KG	2-CHLOROPHENOL	34589
400U	UG/KG	2-NITROPHENOL	34594
400U	UG/KG	PHENOL	34695
400U	UG/KG	2,4-DIMETHYLPHENOL	34609
400U	UG/KG	2,4-DICHLOROPHENOL	34604
400U	UG/KG	2,4,6-TRICHLOROPHENOL	34624
400U	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
400U	UG/KG	2,4-DINITROPHENOL	34619
400U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
400U	UG/KG	PENTACHLOROPHENOL	39061
2000U	UG/KG	4-NITROPHENOL	34649
--	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/10/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 336 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMB
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3543 INORG SAMPLE NO.: BD 399
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
4000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
4000	UG/KG	HEXACHLOROETHANE	39121
4000	UG/KG	1,3-DICHLOROBENZENE	34569
4000	UG/KG	1,4-DICHLOROBENZENE	34574
4000	UG/KG	1,2-DICHLOROBENZENE	34539
4000	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
4000	UG/KG	HEXACHLOROETHANE	34399
4000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
4000	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
4000	UG/KG	NITROBENZENE	34450
4000	UG/KG	HEXACHLOROBUTADIENE	39705
4000	UG/KG	1,2,4-TRICHLOROBENZENE	34554
4000	UG/KG	NAPHTHALENE	34445
4000	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
4000	UG/KG	ISOPHORONE	34411
4000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
4000	UG/KG	2-CHLORONAPHTHALENE	34584
4000	UG/KG	ACENAPHTHYLENE	34203
4000	UG/KG	ACENAPHTHENE	34208
4000	UG/KG	DIMETHYL PHTHALATE	34344
20000	UG/KG	2,4-DINITROTOLUENE	34614
20000	UG/KG	2,6-DINITROTOLUENE	34629
4000	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
4000	UG/KG	FLUORENE	34384
4000	UG/KG	DIETHYL PHTHALATE	34339
40J	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34436
4000	UG/KG	HEXACHLOROBENZENE (HCB)	39701
4000	UG/KG	4-BROMOPHENYL PHENYL ETHER	34639
4000	UG/KG	PHENANTHRENE	34464
4000	UG/KG	ANTHRACENE	34223
4000	UG/KG	DI-N-BUTYLPHTHALATE	39112
40J	UG/KG	FLUORANTHENE	34379
40J	UG/KG	PYRENE	34472
4000	UG/KG	BENZYL BUTYL PHTHALATE	34295
4000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
4000	UG/KG	BENZO(A)ANTHRACENE	34529
4000	UG/KG	CHRYSENE	34323
4000	UG/KG	3,3'-DICHLOROBENZIDINE	34634
4000	UG/KG	DI-N-OCTYLPHTHALATE	34599
40J	UG/KG	BENZO(B)FLUORANTHENE	
--	UG/KG	BENZO(K)FLUORANTHENE	
4000	UG/KG	BENZO-A-PYRENE	34250
4000	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
4000	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
4000	UG/KG	BENZO(GHI)PERYLENE	34524
4000	UG/KG	2-CHLOROPHENOL	34589
4000	UG/KG	2-NITROPHENOL	34594
4000	UG/KG	PHENOL	34695
4000	UG/KG	2,4-DIMETHYLPHENOL	34609
4000	UG/KG	2,4-DICHLOROPHENOL	34604
4000	UG/KG	2,4,6-TRICHLOROPHENOL	34624
4000	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
4000	UG/KG	2,4-DINITROPHENOL	34619
4000	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
4000	UG/KG	PENTACHLOROPHENOL	39081
20000	UG/KG	4-NITROPHENOL	34649
--	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 337 SAMPLE TYPE: A DRY/SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-A8-03
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO.: 3544 INORG SAMPLE NO.: NO 400
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TDH DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *P=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
7A	UG/KG	N-NITROSODIMETHYLAMINE	34441
4000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
4000	UG/KG	PHENOL	34121
4000	UG/KG	1,4-DICHLOROBENZENE	34569
4000	UG/KG	1,4-DICHLOROBENZENE	34574
4000	UG/KG	1,2-DICHLOROBENZENE	34539
4000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34276
4000	UG/KG	HEXACHLOROETHANE	34399
4000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34246
4000	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
4000	UG/KG	NITROBENZENE	34450
4000	UG/KG	HEXACHLOROBUTADIENE	39705
4000	UG/KG	1,2,4-TRICHLOROBENZENE	34554
4000	UG/KG	NAPHTHALENE	34445
4000	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
4000	UG/KG	ISOPHORONE	34411
4000	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
4000	UG/KG	2-CHLORO-NAPHTHALENE	34584
4000	UG/KG	ACENAPHTHYLENE	34203
4000	UG/KG	ACENAPHTHENE	34208
4000	UG/KG	DIETHYL PHTHALATE	34344
20000	UG/KG	2,4-DINITROTOLUENE	34614
20000	UG/KG	2,6-DINITROTOLUENE	34629
4000	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
4000	UG/KG	FLUORENE	34384
4000	UG/KG	DIETHYL PHTHALATE	34339
4000	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34436
4000	UG/KG	HEXACHLOROBENZENE (HCB)	39701
4000	UG/KG	4-BROMOPHENYL PHENYL ETHER	34639
4000	UG/KG	PHENANTHRENE	34464
4000	UG/KG	ANTHRACENE	34223
4000	UG/KG	DI-N-BUTYLPHTHALATE	39112
4000	UG/KG	FLUORANTHENE	34379
4000	UG/KG	PYRENE	34472
4000	UG/KG	BENZYL BUTYL PHTHALATE	34295
4000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
4000	UG/KG	BENZO(A)ANTHRACENE	34529
4000	UG/KG	CHRYSENE	34323
4000	UG/KG	3,3'-DICHLOROBENZIDINE	34634
4000	UG/KG	DI-N-OCTYLPHTHALATE	34599
4000	UG/KG	BENZO(B)FLUORANTHENE	
4000	UG/KG	BENZO(K)FLUORANTHENE	
4000	UG/KG	BENZO-A-PYRENE	34250
4000	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
4000	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
4000	UG/KG	BENZO(GHI)PERYLENE	34524
1000	UG/KG	2-CHLOROPHENOL	34589
4000	UG/KG	2-NITROPHENOL	34594
4000	UG/KG	PHENOL	34695
4000	UG/KG	2,4-DIMETHYLPHENOL	34609
4000	UG/KG	2,4-DICHLOROPHENOL	34604
4000	UG/KG	2,4,6-TRICHLOROPHENOL	34624
4000	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
4000	UG/KG	2,4-DINITROPHENOL	34619
4000	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
40JN	UG/KG	PENTACHLOROPHENOL	39061
20000	UG/KG	4-NITROPHENOL	34649
--	%	MOISTURE	70320

02/10/84

PROJECT NO.: [illegible]
SOURCE: [illegible]
CITY: [illegible] STATE: [illegible]

STATION I.D.: [illegible]
STORET STATION [illegible]

SAMPLE COLLECTION: [illegible]
SAMPLE COLLECTION: [illegible]

COLLECTED BY: [illegible]
SAMPLE RECD: [illegible]
SEALED:

CHEMIST: [illegible]
ANALYTICAL [illegible]

CASE NO.: 2175 [illegible]
CONTRACT [illegible]
CONTRACT [illegible]

REMARK:
REMARK:

SAMPLE [illegible]

REMARKS

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FOOTNOTES
*A=AVERAGE [illegible]
*J=ESTIMATED [illegible] MATERIAL
*K=ACTUAL [illegible]
*L=ACTUAL [illegible]
*U=MATERIAL [illegible]
[illegible]

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
[illegible]	UG/KG	[illegible]	34441
4000	UG/KG	1,2-[illegible]/AZOBENZENE	[illegible]
[illegible]	UG/KG	[illegible]	[illegible]
4000	UG/KG	1,4-DICHLOROBENZENE	[illegible]
[illegible]	UG/KG	1,[illegible]	34571
[illegible]	UG/KG	1,2-[illegible]	[illegible]
4000	UG/KG	[illegible] ETHER	[illegible]
4000	UG/KG	[illegible]	[illegible]
4000	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34280
4000	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
4000	UG/KG	[illegible]	34450
4000	UG/KG	HEXACHLORO[illegible]	39705
4000	UG/KG	1,2,4-TRICHLOROBENZENE	34554
4000	UG/KG	[illegible]	[illegible]
4000	UG/KG	[illegible] ETHER	34281
4000	UG/KG	[illegible]	[illegible]
4000	UG/KG	[illegible] (CCCP)	34389
4000	UG/KG	[illegible]	34584
[illegible]	UG/KG	[illegible]	34203
[illegible]	UG/KG	[illegible]	34206
[illegible]	UG/KG	[illegible] PHTHALATE	34334
20000	UG/KG	2,[illegible]	[illegible]
20000	UG/KG	2,[illegible]	34429
4000	UG/KG	[illegible] ETHER	[illegible]
4000	UG/KG	[illegible]	34344
4000	UG/KG	[illegible]	34339
400J	UG/KG	[illegible]	[illegible]
4000	UG/KG	[illegible]	34701
4000	UG/KG	[illegible] ETHER	34639
400J	UG/KG	[illegible]	[illegible]
400J	UG/KG	[illegible]	34223
4000	UG/KG	[illegible] PHTHALATE	31112
400J	UG/KG	FLUORANTHENE	34379
400J	UG/KG	PYRENE	34472
4000	UG/KG	[illegible] PHTHALATE	34295
4000	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
4000	UG/KG	BENZO(A)ANTHRACENE	34524
400J	UG/KG	CHRYSENE	34323
4000	UG/KG	[illegible]	[illegible]
4000	UG/KG	[illegible] PHTHALATE	[illegible]
400J	UG/KG	BENZO(B)FLUORANTHENE	
--	UG/KG	[illegible]	
4000	UG/KG	[illegible]	34250
4000	UG/KG	INDENO(1,2,3-CD) PYRENE	34460
4000	UG/KG	[illegible] ANTHRACENE	[illegible]
4000	UG/KG	[illegible]	34524
[illegible]	UG/KG	[illegible]	[illegible]
[illegible]	UG/KG	2-[illegible]	[illegible]
4000	UG/KG	PHENOL	34595
4000	UG/KG	2,4-DIMETHYLPHENOL	34609
4000	UG/KG	2,4-DICHLOROPHENOL	34606
4000	UG/KG	2,4,6-TRICHLOROPHENOL	34624
4000	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
4000	UG/KG	2,4-[illegible]	[illegible]
4000	UG/KG	2-[illegible]	[illegible]
[illegible]	UG/KG	[illegible]	[illegible]
20000	UG/KG	4-[illegible]	34649
--	[illegible]	[illegible]	[illegible]

02

02/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET

PROJECT: [illegible]
SUBJECT: [illegible]
CITY: [illegible]

STATION: [illegible]
STORET STATION: [illegible]

SAMPLE COLLECTED: START: [illegible]
SAMPLE COLLECTED: STOP: [illegible]

COLLECTED BY: [illegible]
SAMPLE RECEIVED: [illegible]
SEALED: [illegible]

CHEMIST: [illegible]
ANALYTICAL: [illegible]

CASE: [illegible]
CONTRACT: [illegible]
CONTRACT: [illegible]

REMARKS:
REMARKS:

SAMPLE LOG VERIFIED [illegible]

*****REMARKS*****

******ANALYTICAL RESULTS******

RESULTS	UNITS	COMPOUND	STORET
[illegible]	UG/KG	[illegible]	34441
4000	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
[illegible]	UG/KG	[illegible]	39121
[illegible]	UG/KG	[illegible]	34569
[illegible]	UG/KG	[illegible]	34574
[illegible]	UG/KG	[illegible]	34339
[illegible]	UG/KG	[illegible]	34276
[illegible]	UG/KG	[illegible]	34399
[illegible]	UG/KG	[illegible]	34286
[illegible]	UG/KG	[illegible]	34441
[illegible]	UG/KG	[illegible]	34450
[illegible]	UG/KG	[illegible]	34705
[illegible]	UG/KG	[illegible]	34554
[illegible]	UG/KG	[illegible]	34415
[illegible]	UG/KG	[illegible]	34281
[illegible]	UG/KG	[illegible]	34411
[illegible]	UG/KG	[illegible]	34389
[illegible]	UG/KG	[illegible]	34584
[illegible]	UG/KG	[illegible]	34203
[illegible]	UG/KG	[illegible]	34208
[illegible]	UG/KG	[illegible]	34394
[illegible]	UG/KG	[illegible]	34014
[illegible]	UG/KG	[illegible]	34029
[illegible]	UG/KG	[illegible]	34094
[illegible]	UG/KG	[illegible]	34384
[illegible]	UG/KG	[illegible]	34339
400	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34436
[illegible]	UG/KG	[illegible]	34701
[illegible]	UG/KG	[illegible]	34039
[illegible]	UG/KG	[illegible]	34404
[illegible]	UG/KG	[illegible]	34223
[illegible]	UG/KG	[illegible]	39112
400	UG/KG	FLUORANTHENE	34379
400	UG/KG	PYRENE	34472
[illegible]	UG/KG	[illegible]	34295
[illegible]	UG/KG	[illegible]	39102
[illegible]	UG/KG	[illegible]	34529
[illegible]	UG/KG	[illegible]	34323
[illegible]	UG/KG	[illegible]	35034
[illegible]	UG/KG	[illegible]	35599
400	UG/KG	BENZO(K)FLUORANTHENE	
--	UG/KG	[illegible]	
[illegible]	UG/KG	[illegible]	34250
[illegible]	UG/KG	[illegible]	34406
[illegible]	UG/KG	[illegible]	34559
[illegible]	UG/KG	[illegible]	34524
[illegible]	UG/KG	[illegible]	34589
[illegible]	UG/KG	[illegible]	34594
[illegible]	UG/KG	[illegible]	34095
[illegible]	UG/KG	[illegible]	34009
[illegible]	UG/KG	[illegible]	34004
[illegible]	UG/KG	[illegible]	34024
[illegible]	UG/KG	[illegible]	34455
[illegible]	UG/KG	[illegible]	35019
[illegible]	UG/KG	[illegible]	34000
[illegible]	UG/KG	[illegible]	35001
[illegible]	UG/KG	[illegible]	34049
			70120

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

[illegible]/10/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 340 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-01
STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:

ANALYST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3698 INORG SAMPLE NO.: MD 390
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34441
400U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
800U	UG/KG	BENZIDINE	39121
400U	UG/KG	1,3-DICHLOROBENZENE	34569
400U	UG/KG	1,4-DICHLOROBENZENE	34574
400U	UG/KG	1,2-DICHLOROBENZENE	34539
400U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
400U	UG/KG	HEXACHLOROETHANE	34399
400U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
400U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
400U	UG/KG	NITROBENZENE	34450
400U	UG/KG	HEXACHLOROBUTADIENE	39705
400U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
400U	UG/KG	NAPHTHALENE	34445
400U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
400U	UG/KG	ISOPHORONE	34411
400U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34386
400U	UG/KG	2-CHLORONAPHTHALENE	34584
400U	UG/KG	ACENAPHTHYLENE	34203
400U	UG/KG	ACENAPHTHENE	34208
400U	UG/KG	DIMETHYL PHTHALATE	34344
2000U	UG/KG	2,4-DINITROTOLUENE	34614
2000U	UG/KG	2,6-DINITROTOLUENE	34629
400U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34646
400U	UG/KG	FLUORENE	34386
400U	UG/KG	DIETHYL PHTHALATE	34339
400U	UG/KG	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34438
400U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
400U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34636
[illegible]	UG/KG	PHENANTHRENE	34464
400U	UG/KG	ANTHRACENE	34223
400U	UG/KG	DI-N-BUTYLPHTHALATE	39112
[illegible]	UG/KG	FLUORANTHENE	34379
[illegible]	UG/KG	PYRENE	34477
400U	UG/KG	BENZYL BUTYL PHTHALATE	34292
400U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39110
[illegible]	UG/KG	BENZO(A)ANTHRACENE	34526
[illegible]	UG/KG	CHRYSENE	34320
400U	UG/KG	3,3'-DICHLOROBENZIDINE	34631
400U	UG/KG	DI-N-OCTYLPHTHALATE	34596
[illegible]	UG/KG	BENZO(B)FLUORANTHENE	[illegible]
[illegible]	UG/KG	BENZO(K)FLUORANTHENE	[illegible]
[illegible]	UG/KG	BENZO(A)PYRENE	34280
[illegible]	UG/KG	INDENO(1,2,3-CD)PYRENE	34406
400U	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
400U	UG/KG	BENZO(GHI)PERYLENE	34524
400U	UG/KG	2-CHLOROPHENOL	34589
400U	UG/KG	2-NITROPHENOL	34594
400U	UG/KG	PHENOL	34695
400U	UG/KG	2,4-DIMETHYLPHENOL	34609
400U	UG/KG	2,4-DICHLOROPHENOL	34604
400U	UG/KG	2,4,6-TRICHLOROPHENOL	34624
400U	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
400U	UG/KG	2,4-DINITROPHENOL	34619
400U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
400U	UG/KG	PENTACHLOROPHENOL	39061
2000U	UG/KG	4-NITROPHENOL	34649
	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

[redacted]6/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 341 SAMPLE TYPE: LEACH

[redacted]

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

[redacted]: TD-28-02
[redacted] STATION NO:

[redacted] COLLECTION: START DATE/TIME 11/08/83
[redacted] COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
[redacted]:

[redacted]: JMS
[redacted]ICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3699 INORG SAMPLE NO.: MD 391
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRR DATA VERIFIED BY: JMS

REMARKS

[redacted]

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FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34461
400U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
800U	UG/KG	BENZIDINE	39121
400U	UG/KG	1,3-DICHLOROBENZENE	34569
400U	UG/KG	1,4-DICHLOROBENZENE	34574
400U	UG/KG	1,2-DICHLOROBENZENE	34539
400U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
400U	UG/KG	HEXACHLOROETHANE	34399
400U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
400U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
400U	UG/KG	NITROBENZENE	34450
400U	UG/KG	HEXACHLOROBUTADIENE	39705
400U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
400U	UG/KG	NAPHTHALENE	34465
400U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
400U	UG/KG	ISOPHORONE	34411
400U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
400U	UG/KG	2-CHLORONAPHTHALENE	34584
[redacted]	[redacted]	ACENAPHTHYLENE	34203
400U	UG/KG	ACENAPHTHENE	34208
400U	UG/KG	DIMETHYL PHTHALATE	34344
400U	UG/KG	2,4-DINITROTOLUENE	34614
400U	UG/KG	2,6-DINITROTOLUENE	34629
400U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
400U	UG/KG	FLUORENE	34388
400U	UG/KG	DIETHYL PHTHALATE	34339
[redacted]	[redacted]	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	34436
400U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
400U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34639
[redacted]	[redacted]	PHENANTHRENE	34464
[redacted]	[redacted]	ANTHRACENE	34223
400U	UG/KG	DI-N-BUTYLPHTHALATE	39112
[redacted]	[redacted]	FLUORANTHENE	34379
[redacted]	[redacted]	PYRENE	34472
[redacted]	[redacted]	BENZYL BUTYL PHTHALATE	34292
400U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
[redacted]	[redacted]	BENZO(A)ANTHRACENE	34529
[redacted]	[redacted]	CHRYSENE	34323
400U	UG/KG	3,3'-DICHLOROBENZIDINE	34634
400U	UG/KG	DI-N-OCTYLPHTHALATE	34599
[redacted]	[redacted]	BENZO(B)FLUORANTHENE	
[redacted]	UG/KG	BENZO(K)FLUORANTHENE	
[redacted]	[redacted]	BENZO-A-PYRENE	34280
[redacted]	[redacted]	INDENO (1,2,3-CD) PYRENE	34406
400U	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
400U	UG/KG	BENZO(GHI)PERYLENE	34524
400U	UG/KG	2-CHLOROPHENOL	34589
400U	UG/KG	2-NITROPHENOL	34594
400U	UG/KG	PHENOL	34695
400U	UG/KG	2,4-DIMETHYLPHENOL	34609
400U	UG/KG	2,4-DICHLOROPHENOL	34604
400U	UG/KG	2,4,6-TRICHLOROPHENOL	34624
400U	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
400U	UG/KG	2,4-DINITROPHENOL	34619
400U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
400U	UG/KG	PENTACHLOROPHENOL	39061
2000U	UG/KG	4-NITROPHENOL	[illegible]
	%	MOISTURE	70320

[illegible]

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 EXTRACTABLE ORGANIC ANALYSIS, LISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: H4C 339 SAMPLE TYPE: SOIL

PROJECT NO.: H4-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TU-CHU-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED BY:
SAMPLE RECD: DATE/TIME 00/00/00 RECD BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: 3597 ORGS SAMPLE NO.: 00 389
CONTRACT LABORATORY(ORGANIC): PROCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY FLT ANAL LAB.

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBH DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A=AVERAGE VALUE *B=NOT ANALYZED *C=INTERFERENCES
*J=ESTIMATED VALUE *E=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
20000	BENZOIC ACID
4000	2-METHYLPHENOL
4000	4-METHYLPHENOL
20000	2,4,5-TRICHLOROPHENOL
4000	ANILINE
3000	BENZYL ALCOHOL
5000	4-CHLOROANILINE
4000	DIBENZOFURAN
4000	2-METHYL NAPHTHALENE
20000	2-NITROANILINE
20000	3-NITROANILINE
20000	4-NITROANILINE
N	PETROLEUM PRODUCT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

08/18/84

EXTRACTABLE ORGANIC ANALYSIS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 339 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-8
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3697 INORG SAMPLE NO.: MD 389
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*E=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
NA	UG/KG	N-NITROSODIMETHYLAMINE	34881
400U	UG/KG	1,2-DIPHENYLHYDRAZINE/AZOBENZENE	34349
800U	UG/KG	BENZIDINE	39121
400U	UG/KG	1,3-DICHLOROBENZENE	34569
400U	UG/KG	1,4-DICHLOROBENZENE	34574
400U	UG/KG	1,2-DICHLOROBENZENE	34539
400U	UG/KG	BIS(2-CHLOROETHYL) ETHER	34276
400U	UG/KG	HEXACHLOROETHANE	34399
400U	UG/KG	BIS(2-CHLOROISOPROPYL) ETHER	34286
400U	UG/KG	N-NITROSODI-N-PROPYLAMINE	34431
400U	UG/KG	NITROBENZENE	34450
400U	UG/KG	HEXACHLOROBUTADIENE	39705
400U	UG/KG	1,2,4-TRICHLOROBENZENE	34554
400U	UG/KG	NAPHTHALENE	34445
400U	UG/KG	BIS(2-CHLOROETHOXY) METHANE	34281
400U	UG/KG	ISOPHORONE	34411
400U	UG/KG	HEXACHLOROCYCLOPENTADIENE (HCCP)	34389
400U	UG/KG	2-CHLORONAPHTHALENE	34584
400U	UG/KG	ACENAPHTHYLENE	34203
400U	UG/KG	ACENAPHTHENE	34200
400U	UG/KG	DIMETHYL PHTHALATE	34344
2000U	UG/KG	2,4-DINITROTOLUENE	34614
2000U	UG/KG	2,6-DINITROTOLUENE	34629
400U	UG/KG	4-CHLOROPHENYL PHENYL ETHER	34644
400U	UG/KG	FLUORENE	34386
400U	UG/KG	DIETHYL PHTHALATE	34336
~~400~~	~~UG/KG~~	~~N-NITROSODIPHENYLAMINE/DIPHENYLAMINE~~	34436
400U	UG/KG	HEXACHLOROBENZENE (HCB)	39701
400U	UG/KG	4-BROMOPHENYL PHENYL ETHER	34636
~~400~~	~~UG/KG~~	~~PHENANTHRENE~~	34464
400U	UG/KG	ANTHRACENE	34223
400U	UG/KG	DI-N-BUTYLPHTHALATE	39112
~~400~~	~~UG/KG~~	~~FLUORANTHENE~~	34377
~~400~~	~~UG/KG~~	~~PYRENE~~	34472
400U	UG/KG	BENZYL BUTYL PHTHALATE	34292
400U	UG/KG	BIS(2-ETHYLHEXYL) PHTHALATE	39102
~~400~~	~~UG/KG~~	~~BENZO(A)ANTHRACENE~~	34529
400U	UG/KG	CHRYSENE	34323
400U	UG/KG	3,3'-DICHLOROBENZIDINE	34634
400U	UG/KG	DI-N-OCTYLPHTHALATE	34599
~~400~~	~~UG/KG~~	~~BENZO(B)FLUORANTHENE~~	
--	UG/KG	BENZO(K)FLUORANTHENE	
400U	UG/KG	BENZO-A-PYRENE	34250
400U	UG/KG	INDENO (1,2,3-CD) PYRENE	34406
400U	UG/KG	DIBENZO(A,H)ANTHRACENE	34559
400U	UG/KG	BENZO(GHI)PERYLENE	34524
400U	UG/KG	2-CHLOROPHENOL	34589
400U	UG/KG	2-NITROPHENOL	34594
400U	UG/KG	PHENOL	34698
400U	UG/KG	2,4-DIMETHYLPHENOL	34609
400U	UG/KG	2,4-DICHLOROPHENOL	34604
400U	UG/KG	2,4,6-TRICHLOROPHENOL	34624
400U	UG/KG	4-CHLORO-3-METHYLPHENOL	34455
400U	UG/KG	2,4-DINITROPHENOL	34619
400U	UG/KG	2-METHYL-4,6-DINITROPHENOL	34660
400U	UG/KG	PENTACHLOROPHENOL	39061
2000U	UG/KG	4-NITROPHENOL	34649
--	%	MOISTURE	70320

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/10/84

EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 335 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-A8-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3542 INORG SAMPLE NO.: MD 398
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
2000U	BENZOIC ACID
400U	2-METHYLPHENOL
400U	4-METHYLPHENOL
2000U	2,4,5-TRICHLOROPHENOL
400U	ANILINE
400U	BENZYL ALCOHOL
500U	4-CHLOROANILINE
400U	DIBENZOFURAN
400U	2-METHYL NAPHTHALENE
2000U	2-NITROANILINE
2000U	3-NITROANILINE
2000U	4-NITROANILINE
N	PETROLEUM PRODUCT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/18/84 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 336 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3543 INORG SAMPLE NO.: MD 399
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
20000	BENZOIC ACID
4000	2-METHYLPHENOL
4000	4-METHYLPHENOL
20000	2,4,5-TRICHLOROPHENOL
4000	ANILINE
4000	BENZYL ALCOHOL
5000	4-CHLOROANILINE
4000	DIBENZOFURAN
4000	2-METHYL NAPHTHALENE
20000	2-NITROANILINE
20000	3-NITROANILINE
20000	4-NITROANILINE
N	PETROLEUM PRODUCT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
TPA-ESD, REG IV
ATLANTA GEORGIA

02/18/94 EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORT & SHEET
SUPERFUND/SOIL/SEDIMENT (T)

SAMPLE NO.: MAC 337 SAMPLE TYPE: AIRBORNE/SOIL

PROJECT NO.: R4-010 PROGRAM ELEMENT: USF
SOURCE: TERRELL CO. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-03
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: REAL COLLECT RECEIVED FROM:
SAMPLE RECD: DATE/TIME 00/00/00 RECD BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 4544 ORIG SAMPLE NO.: [illegible] 400
CONTRACT LABORATORY(ORGANIC): REDCO FOV INC
CONTRACT LABORATORY(INORGANIC): ROCKY FD ANAL LAB

REMARK:
REMARK:

SAMPLE LOC VERIFIED BY: TMP DATA VERIFIED BY: JPS

REMARKS

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FOOTNOTES
*A=AVERAGE VALUE *B=NOT ANALYZED *AI=INTERFERENCES
*J=ESTIMATED VALUE *E=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L=ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE [illegible] REPORTING LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG CONVERTED BASE
20015 HEXADECIC ACID
4000 2-METHYLPHENOL
4000 4-METHYLPHENOL
20000 2,4,5-TRICHLOROPHENOL
4000 PHENOL
4000 BENZYL ALCOHOL
5000 4-CHLOROANILINE
4000 DIBENZOFURAN
4000 2-METHYLNAPHTHALENE
20000 2-NITROANILINE
20000 3-NITROANILINE
20000 4-NITROANILINE

[illegible] ANALYSIS [illegible] SYSTEM
[illegible]

02/18/84 [illegible]
[illegible]
[illegible]

SAMPLE NO.: 440 317 SAMPLE TYPE: [illegible]

PROJECT NO.: F4-010 PROGRAM ELEMENT: CSF
SOURCE: [illegible]
CITY: DANVILLE STATE: KY

STATION I.D.: F0-CS-01
STORET STATION ID:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: [illegible] RECEIVED BY:
SAMPLE REC'D: [illegible] REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 [illegible] SAMPLE NO: D 4700 LORC SAMPLE NO.: [illegible] 392
CONTRACT LABORATORY(ORGANIC): PEDCO ENVIRO. INC
CONTRACT LABORATORY(INORGANIC): [illegible]

REMARK:
REMARK:

SAMPLE LOG [illegible] BY: [illegible] DATA VERIFIED BY: [illegible]

REMARKS

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FOOTNOTES
*A=AVERAGE VALUE *B=[illegible] ANALYZED *C=[illegible] DETECTED CSS
*J=ESTIMATED VALUE *[illegible] PRESENCE OF PRESERVE OF MATERIAL
*K=ACTUAL VALUE IS [illegible] [illegible] VALUE GIVEN
*L=ACTUAL VALUE IS [illegible] [illegible] VALUE GIVEN
*U=MATERIAL [illegible] IS [illegible]
[illegible]

**********[illegible]**********

*[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/10/84

EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 334 SAMPLE TYPE: SOIL

PROJECT NO.: 84-0:0 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3541 INORG SAMPLE NO.: MD 347
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
40J	BENZOIC ACID
400U	2-METHYLPHENOL
400U	4-METHYLPHENOL
2000U	2,4,5-TRICHLOROPHENOL
400U	ANILINE
400U	BENZYL ALCOHOL
500U	4-CHLOROANILINE
400U	DIBENZOFURAN
400U	2-METHYL NAPHTHALENE
2000U	2-NITROANILINE
2000U	3-NITROANILINE
2000U	4-NITROANILINE

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

[redacted]10/84

EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 340 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

SECTION I.D.: TD-LS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE,/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3698 INORG SAMPLE NO.: MD 390
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

[redacted]

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
2000U	BENZOIC ACID
400U	2-METHYLPHENOL
400U	4-METHYLPHENOL
2000U	2,4,5-TRICHLOROPHENOL
400U	ANILINE
400U	BENZYL ALCOHOL
500U	4-CHLOROANILINE
400U	DIBENZOFURAN
400U	2-METHYL NAPHTHALENE
2000U	2-NITROANILINE
2000U	3-NITROANILINE
2000U	4-NITROANILINE

11[illegible]

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

[illegible]/18/84

EXTRACTABLE ORGANIC ANALYSIS, MISC
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 341 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

SEASON I.D.: TD-LS-02
SUBST STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST:
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3699 INORG SAMPLE NO.: BD 391
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TPB DATA VERIFIED BY: JMS

REMARKS

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FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.

*****ANALYTICAL RESULTS*****

RESULTS IN: UG/KG	COMPOUND NAME
2000U	BENZOIC ACID
400U	2-METHYLPHENOL
400U	4-METHYLPHENOL
2000U	2,4,5-TRICHLOROPHENOL
400U	ANILINE
400U	BENZYL ALCOHOL
500U	4-CHLOROANILINE
400U	DIBENZOFURAN
400U	2-METHYL NAPHTHALENE
2000U	2-NITROANILINE
2000U	3-NITROANILINE
2000U	4-NITROANILINE
N	PETROLEUM PRODUCT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: R4C 347 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/04/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: HEAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3700 INORG SAMPLE NO.: AD 392
CONTRACT LABORATORY(ORGANIC): PEDCO ENVIRON INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.20	UG/KG	ALDRIN	39333
0.20	UG/KG	HEPTACHLOR	39413
0.20	UG/KG	HEPTACHLOR EPOXIDE	39423
0.20	UG/KG	ALPHA-BHC	39076
0.20	UG/KG	BETA-BHC	34257
0.20	UG/KG	GAMMA-BHC (LINDANE)	39343
0.20	UG/KG	DELTA-BHC	34262
0.20	UG/KG	ENDOSULFAN I (ALPHA)	34364
45	UG/KG	DIELDRIN	39383
0.20	UG/KG	4,4'-DDT (P,P'-DDT)	39301
0.20	UG/KG	4,4'-DDE (P,P'-DDE)	39321
34	UG/KG	4,4'-DDD (P,P'-DDD)	39311
0.20	UG/KG	ENDRIN	39393
0.20	UG/KG	ENDOSULFAN II (BETA)	34359
0.20	UG/KG	ENDOSULFAN SULFATE	34354
0.20	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
40	UG/KG	PCB-1242 (AROCLOR 1242)	39499
40	UG/KG	PCB-1254 (AROCLOR 1254)	39507
40	UG/KG	PCB-1221 (AROCLOR 1221)	39491
40	UG/KG	PCB-1232 (AROCLOR 1232)	39495
40	UG/KG	PCB-1248 (AROCLOR 1248)	39503
40	UG/KG	PCB-1260 (AROCLOR 1260)	39511
40	UG/KG	PCB-1016 (AROCLOR 1016)	39514
40	UG/KG	TOXAPHENE	39403
0.20	UG/KG	ENDRIN ALDEHYDE	34369
0.10	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39011
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
--	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *AI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCBS AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SELECT/SOIL/SEDIMENT(DRY WT)

SAMPLE NO.: [illegible] 434 SAMPLE TYPE: SOIL

PROJECT NO.: [illegible] SF
SOURCE: [illegible]
CITY: [illegible] STATE: [illegible]

STATION I.D.: [illegible]
STORET STATION NO:

SAMPLE COLLECTION: START [illegible]
SAMPLE COLLECTION: STOP [illegible]

COLLECTED BY: [illegible]
SAMPLE RECD: [illegible]
SEALED:

CHEMIST: JAS
ANALYTICAL METHOD:

CASE NO.: 2125 [illegible]
CONTRACT LABORATORY(ORGANIC): [illegible]
CONTRACT LABORATORY(INORGANIC): [illegible]

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: [illegible] DATA VERIFIED BY: JAS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.20	UG/KG	ALDRIN	39333
0.20	UG/KG	HEPTACHLOR	39413
0.20	UG/KG	HEPTACHLOR EPOXIDE	39423
0.20	UG/KG	ALPHA-BHC	39076
0.20	UG/KG	BETA-BHC	34257
0.20	UG/KG	GAMMA-BHC (LINDANE)	39343
0.20	UG/KG	DELTA-BHC	34262
0.20	UG/KG	ENDOSULFAN I (ALPHA)	34364
0.20	UG/KG	DIELDRIN	39383
0.20	UG/KG	4,4'-DDT (P,P'-DDT)	39301
1.1	UG/KG	4,4'-DDE (P,P'-DDE)	39321
0.20	UG/KG	4,4'-DDD (P,P'-DDD)	39311
0.20	UG/KG	ENDRIN	39393
0.20	UG/KG	ENDOSULFAN II (BETA)	34359
0.20	UG/KG	ENDOSULFAN SULFATE	34354
0.20	UG/KG	CHLORDANE (TECH., STANDARD) /1	39351
40	UG/KG	PCB-1242 (AROCLOR 1242)	39499
40	UG/KG	PCB-1254 (AROCLOR 1254)	39507
40	UG/KG	PCB-1221 (AROCLOR 1221)	39491
40	UG/KG	PCB-1232 (AROCLOR 1232)	39495
40	UG/KG	PCB-1248 (AROCLOR 1248)	39503
40	UG/KG	PCB-1260 (AROCLOR 1260)	39511
40	UG/KG	PCB-1016 (AROCLOR 1016)	39514
--	UG/KG	TOXAPHENE	39403
0.20	UG/KG	ENDRIN ALDEHYDE	34369
0.10	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDANE /2	81765
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	GAMMA-CHLORDANE /2	
--	UG/KG	TRANS-NONACHLOR /2	
--	UG/KG	CIS-NONACHLOR /2	39411
--	UG/KG	OXY-CHLORDANE /2	39073
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	CIS-HEPTACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
--	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE * B=NOT DETECTED * E=ESTIMATED
*D=ESTIMATED VALUE * M=MOST LIKELY EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS EQUAL TO OR LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS
THE ESTIMATED DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 335 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-A8-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3542 INORG SAMPLE NO.: ND 398
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND		STORET
1U	UG/KG	ALDRIN		39333
500U	UG/KG	HEPTACHLOR		39413
1U	UG/KG	HEPTACHLOR EPOXIDE		39421
1U	UG/KG	ALPHA-BHC		39071
1U	UG/KG	BETA-BHC		34257
1U	UG/KG	GAMMA-BHC (LINDANE)		39343
1U	UG/KG	DELTA-BHC		34262
1U	UG/KG	ENDOSULFAN I (ALPHA)		34364
2.8	UG/KG	[redacted]		[redacted]
34	UG/KG	[redacted]		[redacted]
29	UG/KG	[redacted]		[redacted]
49	UG/KG	[redacted]		[redacted]
1U	UG/KG	ENDRIN		39391
1U	UG/KG	ENDOSULFAN II (BETA)		34359
1U	UG/KG	ENDOSULFAN SULFATE		34354
1U	UG/KG	CHLORDANE (TECH. MIXTURE)	/1	39351
500	UG/KG	[redacted]		[redacted]
4U	UG/KG	PCB-1254 (AROCLOR 1254)		39507
4U	UG/KG	PCB-1221 (AROCLOR 1221)		39491
4U	UG/KG	PCB-1232 (AROCLOR 1232)		39495
240	UG/KG	PCB-1248 (AROCLOR 1248)		39501
4U	UG/KG	PCB-1260 (AROCLOR 1260)		39511
4U	UG/KG	PCB-1016 (AROCLOR 1016)		39514
4U	UG/KG	TOXAPHENE		39403
1U	UG/KG	ENDRIN ALDEHYDE		34366
0.10	UG/KG	2,3,7,8 TCDD(DIOXIN)		34675
--	UG/KG	CHLORDENE /2		81708
--	UG/KG	ALPHA-CHLORDENE /2		
--	UG/KG	GAMMA-CHLORDENE /2		
--	UG/KG	1-HYDROXYCHLORDENE /2		
--	UG/KG	GAMMA-CHLORDANE /2		39811
--	UG/KG	TRANS-NONACHLOR /2		39073
--	UG/KG	ALPHA-CHLORDANE /2		
--	UG/KG	CIS-NONACHLOR /2		39070
NA	UG/KG	METHOXYCHLOR		39481
--	%	MOISTURE		70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 336 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: [3543 INORG SAMPLE NO.: MD 399
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TDB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.20	UG/KG	ALDRIN	39333
0.20	UG/KG	HEPTACHLOR	39411
0.20	UG/KG	HEPTACHLOR EPOXIDE	39413
0.20	UG/KG	ALPHA-BHC	39076
0.20	UG/KG	BETA-BHC	34257
0.20	UG/KG	GAMMA-BHC (LINDANE)	39343
0.20	UG/KG	DELTA-BHC	34262
0.20	UG/KG	ENDOSULFAN I (ALPHA)	34364
1.0	UG/KG	[redacted]	[redacted]
0.20	UG/KG	4,4'-DDT (P,P'-DDT)	[redacted]
0.20	UG/KG	4,4'-DDE (P,P'-DDE)	[redacted]
4.0	UG/KG	[redacted]	[redacted]
0.20	UG/KG	ENDRIN	[illegible]
0.20	UG/KG	ENDOSULFAN II (BETA)	34356
0.20	UG/KG	ENDOSULFAN SULFATE	34354
0.20	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
40	UG/KG	PCB-1242 (AROCLOR 1242)	[illegible]
40	UG/KG	PCB-1254 (AROCLOR 1254)	[illegible]
40	UG/KG	PCB-1221 (AROCLOR 1221)	[illegible]
40	UG/KG	PCB-1232 (AROCLOR 1232)	[illegible]
40	UG/KG	PCB-1248 (AROCLOR 1248)	[illegible]
40	UG/KG	PCB-1260 (AROCLOR 1260)	39511
40	UG/KG	PCB-1016 (AROCLOR 1016)	39514
40	UG/KG	TOXAPHENE	39403
0.20	UG/KG	ENDRIN ALDEHYDE	34366
0.10	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDENE /2	81786
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39011
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
--	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *RAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U=MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS
THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 337 SAMPLE TYPE: AUGER/SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-AS-03
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/09/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3544 INORG SAMPLE NO.: MD 400
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.2U	UG/KG	ALDRIN	[illegible]
0.2U	UG/KG	HEPTACHLOR	[illegible]
0.2U	UG/KG	HEPTACHLOR EPOXIDE	[illegible]
0.2U	UG/KG	ALPHA-BHC	[illegible]
0.2U	UG/KG	BETA-BHC	[illegible]
0.2U	UG/KG	GAMMA-BHC (LINDANE)	[illegible]
0.2U	UG/KG	DELTA-BHC	[illegible]
0.2U	UG/KG	ENDOSULFAN I (ALPHA)	[illegible]
0.2U	UG/KG	DIELDRIN	[illegible]
0.2U	UG/KG	4,4'-DDT (P,P'-DDT)	[illegible]
0.2U	UG/KG	4,4'-DDE (P,P'-DDE)	[illegible]
0.2U	UG/KG	4,4'-DDD (P,P'-DDD)	[illegible]
0.2U	UG/KG	ENDRIN	[illegible]
0.2U	UG/KG	ENDOSULFAN II (BETA)	[illegible]
0.2U	UG/KG	ENDOSULFAN SULFATE	[illegible]
0.2U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	[illegible]
4U	UG/KG	PCB-1242 (AROCLOR 1242)	[illegible]
4U	UG/KG	PCB-1254 (AROCLOR 1254)	[illegible]
4U	UG/KG	PCB-1221 (AROCLOR 1221)	[illegible]
4U	UG/KG	PCB-1232 (AROCLOR 1232)	[illegible]
4U	UG/KG	PCB-1248 (AROCLOR 1248)	[illegible]
4U	UG/KG	PCB-1260 (AROCLOR 1260)	[illegible]
4U	UG/KG	PCB-1016 (AROCLOR 1016)	[illegible]
4U	UG/KG	TOXAPHENE	[illegible]
0.2U	UG/KG	ENDRIN ALDEHYDE	[illegible]
0.1U	UG/KG	2,3,7,8 TCDD(DIOXIN)	[illegible]
--	UG/KG	CHLORDENE /2	[illegible]
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	[illegible]
NA	UG/KG	METHOXYCHLOR	[illegible]
--	%	MOISTURE	[illegible]

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 338 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSP
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRU-8
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3695 INORG SAMPLE NO.: MD 387
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): KYCKY MIN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.20	UG/KG	ALDRIN	[illegible]
0.20	UG/KG	HEPTACHLOR	[illegible]
0.20	UG/KG	HEPTACHLOR EPOXIDE	[illegible]
0.20	UG/KG	ALPHA-BHC	[illegible]
0.20	UG/KG	BETA-BHC	[illegible]
0.20	UG/KG	GAMMA-BHC (LINDANE)	39343
0.20	UG/KG	DELTA-BHC	[illegible]
0.20	UG/KG	ENDOSULFAN I (ALPHA)	[illegible]
0.20	UG/KG	DIELDRIN	[illegible]
0.20	UG/KG	4,4'-DDT (P,P'-DDT)	[illegible]
0.20	UG/KG	4,4'-DDE (P,P'-DDE)	[illegible]
[illegible]	UG/KG	[illegible]	[illegible]
0.20	UG/KG	ENDRIN	[illegible]
0.20	UG/KG	ENDOSULFAN II (BETA)	34359
0.20	UG/KG	ENDOSULFAN SULFATE	34354
0.20	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
40	UG/KG	PCB-1242 (AROCLOR 1242)	[illegible]
40	UG/KG	PCB-1254 (AROCLOR 1254)	[illegible]
40	UG/KG	PCB-1221 (AROCLOR 1221)	[illegible]
40	UG/KG	PCB-1232 (AROCLOR 1232)	[illegible]
40	UG/KG	PCB-1248 (AROCLOR 1248)	[illegible]
40	UG/KG	PCB-1260 (AROCLOR 1260)	39511
40	UG/KG	PCB-1016 (AROCLOR 1016)	39514
40	UG/KG	TOXAPHENE	39403
0.20	UG/KG	ENDRIN ALDEHYDE	34369
0.10	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
--	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
*J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED, THE NUMBER IS THE MINIMUM DETECTION LIMIT.
1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 339 SAMPLE TYPE: SOIL

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-CRD-S
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/07/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3697 INORG SAMPLE NO.: MD 389
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.2U	UG/KG	ALDRIN	39333
0.2U	UG/KG	HEPTACHLOR	39413
0.2U	UG/KG	HEPTACHLOR EPOXIDE	39423
0.2U	UG/KG	ALPHA-BHC	39078
0.2U	UG/KG	BETA-BHC	34257
0.2U	UG/KG	GAMMA-BHC (LINDANE)	39343
0.2U	UG/KG	DELTA-BHC	34262
0.2U	UG/KG	ENDOSULFAN I (ALPHA)	34364
140	UG/KG	DIELDRIN	[illegible]
0.2U	UG/KG	4,4'-DDT (P,P'-DDT)	[illegible]
0.2U	UG/KG	4,4'-DDE (P,P'-DDE)	[illegible]
8.4	UG/KG	4,4'-DDD (P,P'-DDD)	[illegible]
0.2U	UG/KG	ENDRIN	39391
0.2U	UG/KG	ENDOSULFAN II (BETA)	34359
0.2U	UG/KG	ENDOSULFAN SULFATE	34354
0.2U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
4U	UG/KG	PCB-1242 (AROCLOR 1242)	39492
4U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
4U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
4U	UG/KG	PCB-1232 (AROCLOR 1232)	39488
4U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
240	UG/KG	PCB-1260 (AROCLOR 1260)	39511
4U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
4U	UG/KG	TOXAPHENE	39403
0.2U	UG/KG	ENDRIN ALDEHYDE	34366
0.1U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34676
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
--	%	MOISTURE	70320

****

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
*J=ESTIMATED VALUE *N=PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-ESD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 340 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSF
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-01
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: HRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3678 INORG SAMPLE NO.: MD 390
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TRB DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.2U	UG/KG	ALDRIN	39333
0.2U	UG/KG	HEPTACHLOR	39413
0.2U	UG/KG	HEPTACHLOR EPOXIDE	39423
0.2U	UG/KG	ALPHA-BHC	39076
0.2U	UG/KG	BETA-BHC	34257
0.2U	UG/KG	GAMMA-BHC (LINDANE)	39343
0.2U	UG/KG	DELTA-BHC	34262
0.2U	UG/KG	ENDOSULFAN I (ALPHA)	[illegible]
0.4	UG/KG	[illegible]	[illegible]
0.2U	UG/KG	4,4'-DDT (P,P'-DDT)	[illegible]
0.2U	UG/KG	4,4'-DDE (P,P'-DDE)	[illegible]
3.2	UG/KG	[illegible]	[illegible]
0.2U	UG/KG	ENDRIN	[illegible]
0.2U	UG/KG	ENDOSULFAN II (BETA)	34359
0.2U	UG/KG	ENDOSULFAN SULFATE	34354
0.2U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
4U	UG/KG	PCB-1242 (AROCLOR 1242)	[illegible]
4U	UG/KG	PCB-1254 (AROCLOR 1254)	[illegible]
4U	UG/KG	PCB-1221 (AROCLOR 1221)	[illegible]
4U	UG/KG	PCB-1232 (AROCLOR 1232)	[illegible]
4U	UG/KG	PCB-1248 (AROCLOR 1248)	[illegible]
4U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
4U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
4U	UG/KG	TOXAPHENE	39403
0.2U	UG/KG	ENDRIN ALDEHYDE	34366
0.1U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDENE /2	81765
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39011
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
	%	MOISTURE	70320

****

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES
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*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM DETECTION LIMIT.
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2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-FSD,REG IV
ATHENS GEORGIA

02/18/84 PESTICIDES/PCB'S AND OTHER CHLORINATED COMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

SAMPLE NO.: 84C 341 SAMPLE TYPE: LEACH

PROJECT NO.: 84-010 PROGRAM ELEMENT: NSP
SOURCE: TERRELL DR. DUMP
CITY: DANVILLE STATE: KY

STATION I.D.: TD-LS-02
STORET STATION NO:

SAMPLE COLLECTION: START DATE/TIME 11/08/83
SAMPLE COLLECTION: STOP DATE/TIME 00/00/00

COLLECTED BY: BRAD WALLACE RECEIVED FROM:
SAMPLE REC'D: DATE/TIME 00/00/00 REC'D BY:
SEALED:

CHEMIST: JMS
ANALYTICAL METHOD:

CASE NO.: 2125 ORG SAMPLE NO: D 3699 INORG SAMPLE NO.: MD 391
CONTRACT LABORATORY(ORGANIC): PEDCO ENV INC
CONTRACT LABORATORY(INORGANIC): ROCKY MTN ANAL LAB

REMARK:
REMARK:

SAMPLE LOG VERIFIED BY: TBH DATA VERIFIED BY: JMS

REMARKS

*****ANALYTICAL RESULTS*****

RESULTS	UNITS	COMPOUND	STORET
0.2U	UG/KG	ALDRIN	39333
0.2U	UG/KG	HEPTACHLOR	39413
0.2U	UG/KG	HEPTACHLOR EPOXIDE	39423
0.2U	UG/KG	ALPHA-BHC	39076
0.2U	UG/KG	BETA-BHC	34257
0.2U	UG/KG	GAMMA-BHC (LINDANE)	39343
0.2U	UG/KG	DELTA-BHC	34262
0.2U	UG/KG	ENDOSULFAN I (ALPHA)	[illegible]
[illegible]	[illegible]	DIELDRIN	[illegible]
0.2U	UG/KG	4,4'-DDT (P,P'-DDT)	[illegible]
0.2U	UG/KG	4,4'-DDE (P,P'-DDE)	[illegible]
4.7	UG/KG	4,4'-DDD (P,P'-DDD)	[illegible]
0.2U	UG/KG	ENDRIN	[illegible]
0.2U	UG/KG	ENDOSULFAN II (BETA)	34359
0.2U	UG/KG	ENDOSULFAN SULFATE	34354
0.2U	UG/KG	CHLORDANE (TECH. MIXTURE) /1	39351
4U	UG/KG	PCB-1242 (AROCLOR 1242)	39499
4U	UG/KG	PCB-1254 (AROCLOR 1254)	39507
4U	UG/KG	PCB-1221 (AROCLOR 1221)	39491
4U	UG/KG	PCB-1232 (AROCLOR 1232)	39496
4U	UG/KG	PCB-1248 (AROCLOR 1248)	39503
4U	UG/KG	PCB-1260 (AROCLOR 1260)	39511
4U	UG/KG	PCB-1016 (AROCLOR 1016)	39514
4U	UG/KG	TOXAPHENE	39403
0.2U	UG/KG	ENDRIN ALDEHYDE	34369
0.1U	UG/KG	2,3,7,8 TCDD(DIOXIN)	34675
--	UG/KG	CHLORDENE /2	81768
--	UG/KG	ALPHA-CHLORDENE /2	
--	UG/KG	GAMMA-CHLORDENE /2	
--	UG/KG	1-HYDROXYCHLORDENE /2	
--	UG/KG	GAMMA-CHLORDANE /2	39811
--	UG/KG	TRANS-NONACHLOR /2	39073
--	UG/KG	ALPHA-CHLORDANE /2	
--	UG/KG	CIS-NONACHLOR /2	39070
NA	UG/KG	METHOXYCHLOR	39481
	%	MOISTURE	70320

FOOTNOTES
*A=AVERAGE VALUE *NA=NOT ANALYZED *NAI=INTERFERENCES
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*K=ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN
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REFERENCE NO. 5

TELEPHONE CONTACT SUMMARY
DYNAMAC CORPORATION

Call made by: Russ Crittenden
On (Date): November 4, 1993
At (Time): 12:30pm

Signature/Date: Russ Crittenden 11/4/93
Facility: Terrell Drive Dump
CERCLIS or EPA ID No.: KYD980839849

Person(s) contacted: Mike Blanton
Title/Position: Environmental Engineer
Phone: (502) 564-4308
Organization: Kentucky Department for Natural Resources and Environmental Protection, State Superfund Division
Address (City/State): Frankfort, KY

GENERAL SUBJECT

State work at the site

CONVERSATION SUMMARY

I called to inquire if the State of Kentucky had visited Terrell Drive Dump or taken any other actions concerning the site since 1983. Mr. Blanton stated that no work had been done on the site since the 1983 SSI, and that current site conditions are not known.

REFERENCE NO. 6

CLIMATIC ATLAS OF THE UNITED STATES

onmental Science Services Administration . Environmenta

U.S. DEPARTMENT OF COMMERCE
C. R. Smith, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
Robert M. White, Administrator

ENVIRONMENTAL DATA SERVICE
Woodrow C. Jacobs, Director

JUNE 1968

REPRINTED BY THE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
1983

LAKE EVAPORATION

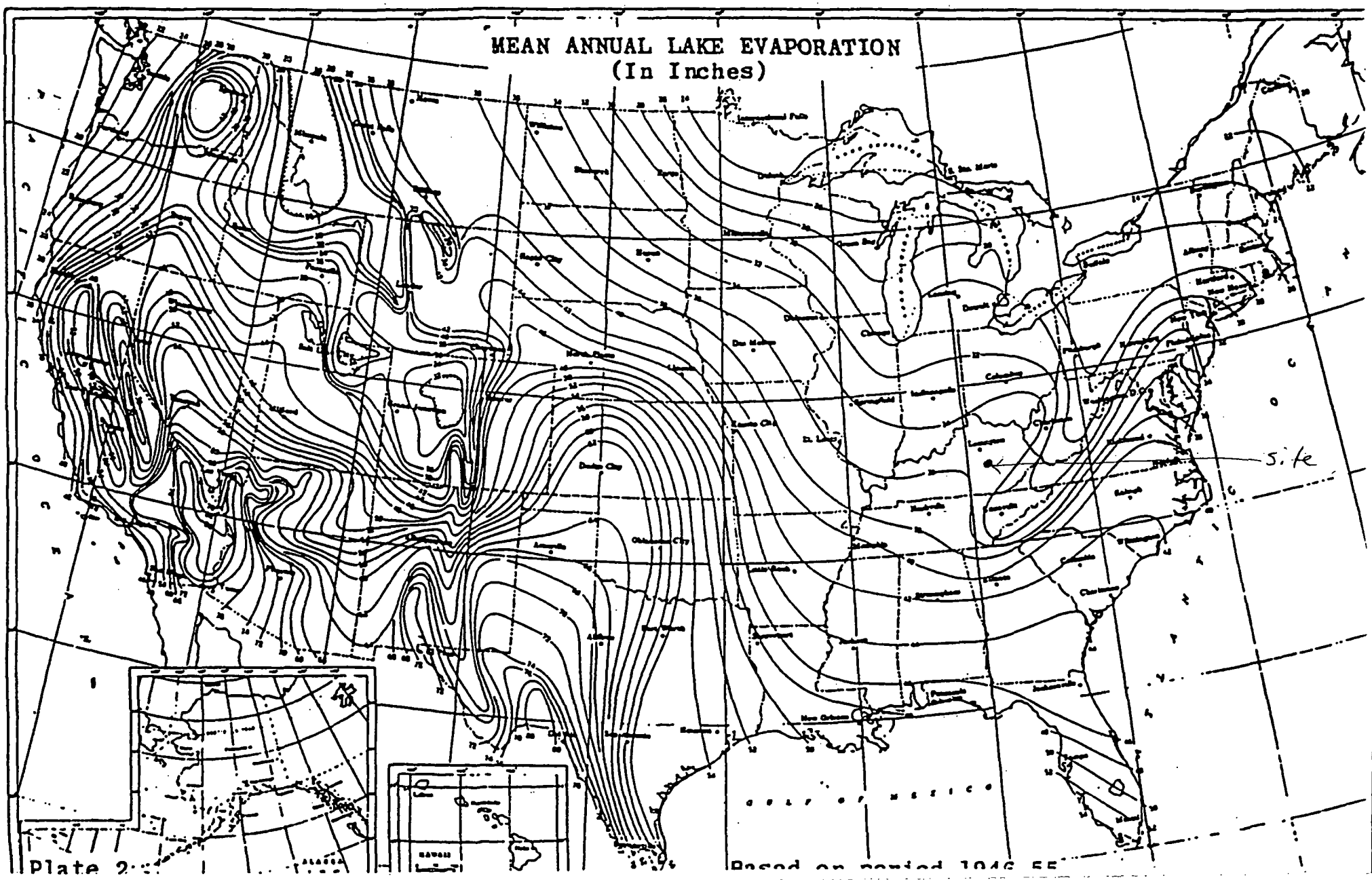
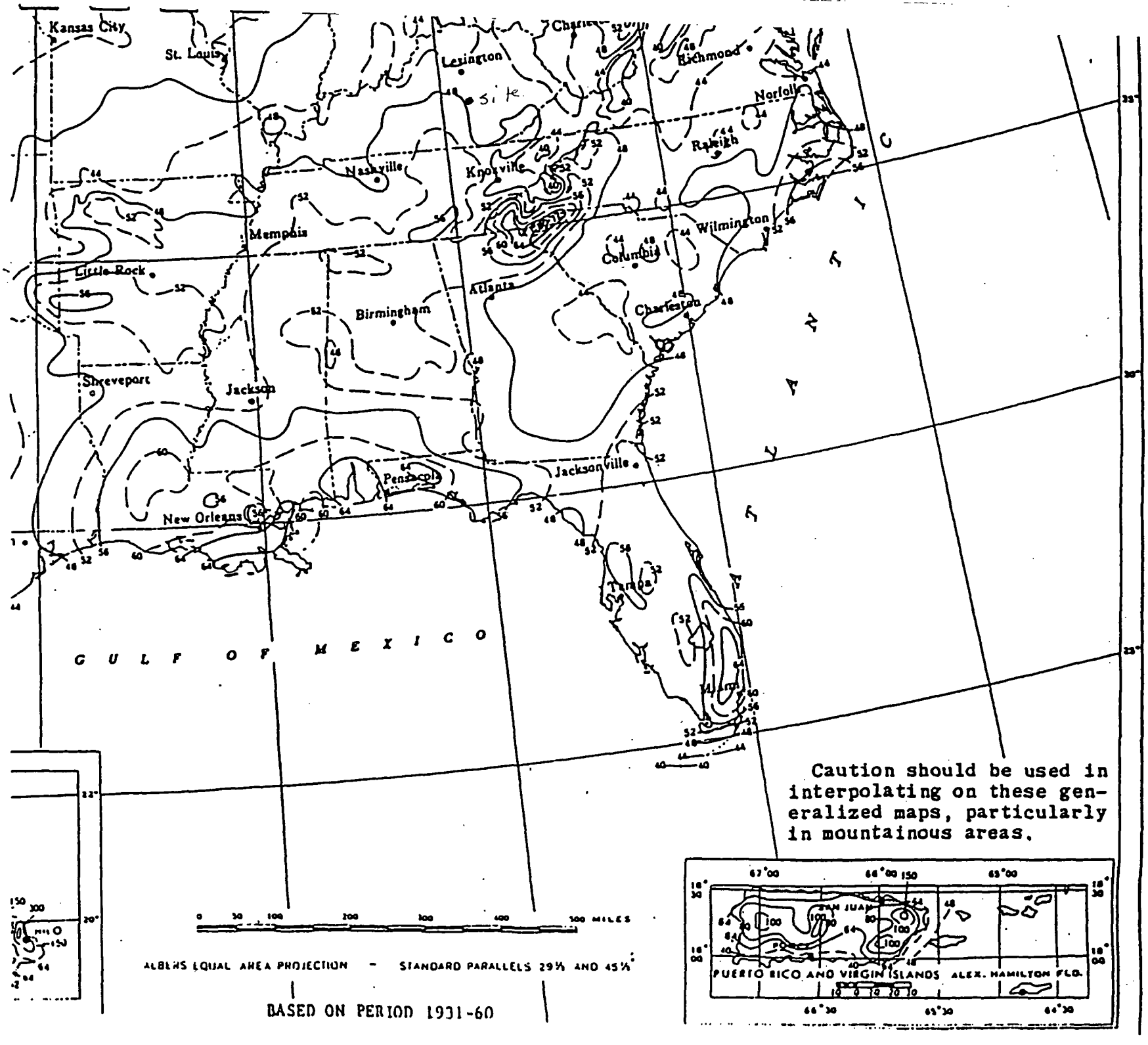


Plate 2



Caution should be used in interpolating on these generalized maps, particularly in mountainous areas.

BASED ON PERIOD 1931-60

)F COMMERCE
'y

WEATHE
F. W. REICH

TECHNICAL PAPER NO. 40

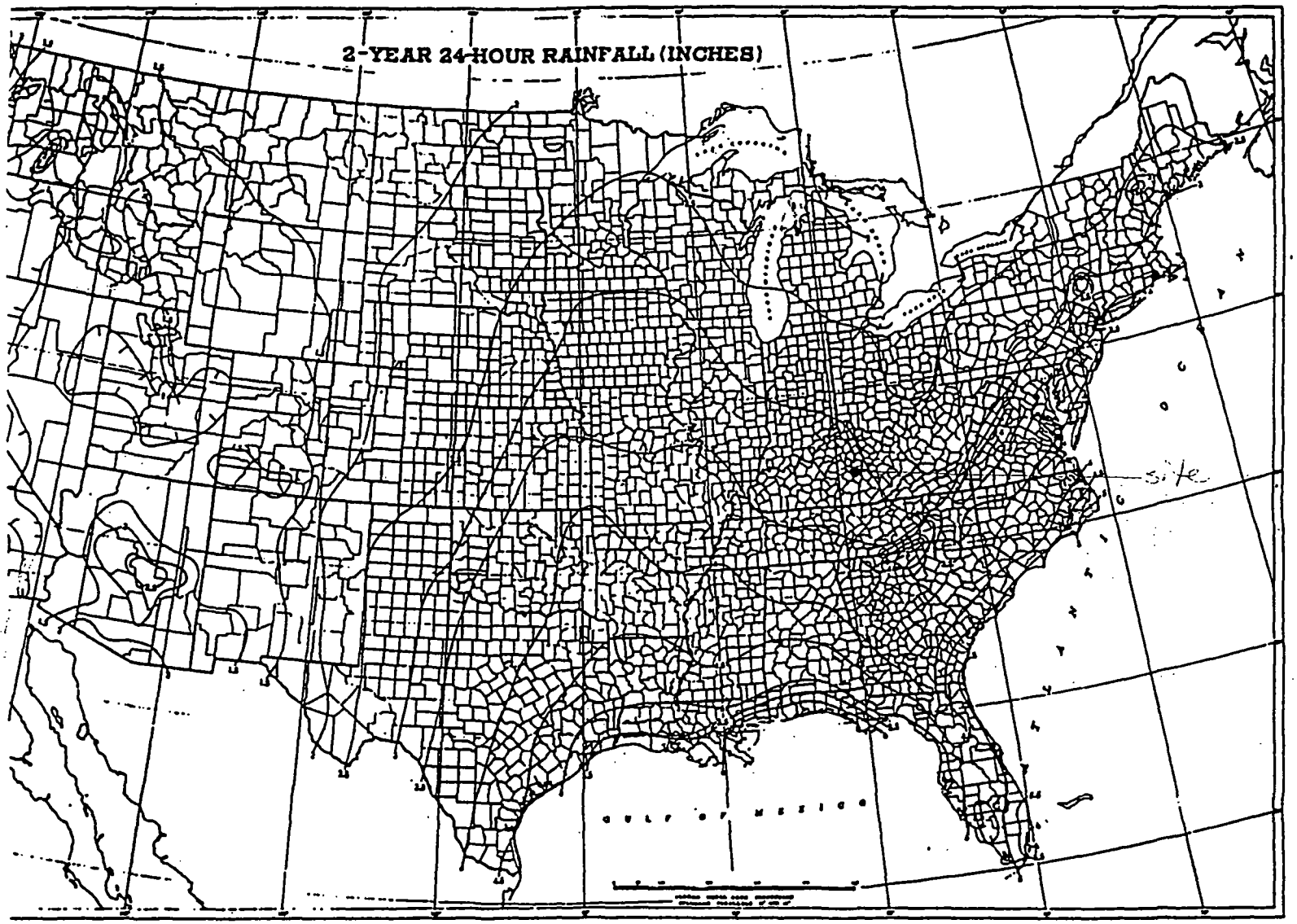
'AINFALL FREQUENCY ATLAS OF THE UNITED STATES

for Durations from 30 Minutes to 24 Hours and Return Periods from 1 to 100 Years

Prepared by
DAVID M. HERSHFIELD
Cooperative Studies Section, Hydrologic Services Division
for
Engineering Division, Soil Conservation Service
U.S. Department of Agriculture

REFERENCE NO. 7

PROPERTY
FTI


2-YEAR 24-HOUR RAINFALL (INCHES)
GULF OF MEXICO
site

REFERENCE NO. 8

EUGENE F. MOONEY
SECRETARY

JULIAN M. CARROLL
GOVERNOR

COMMONWEALTH OF KENTUCKY
DEPARTMENT FOR NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIAL
AND WASTE MANAGEMENT
FRANKFORT, KENTUCKY 40601

July 9, 1979

Mayor Roy Arnold
City of Danville
City Hall
Danville, Kentucky 40422

Dear Mayor Arnold:

An inspection of June 21, 1979, revealed that the former dump site located by the Sewage Treatment Plant and Clarks Run has not been properly reclaimed. The perimeter along Clarks Run is exposed and leachate was observed entering the creek.

I am also including a copy of a letter to Southern Railway concerning the City of Danville's former dump site on Southern's property off Fourth Street and Frye's Lane. This dump site also needs to be reclaimed properly. I would suggest that the City of Danville and Southern Railway work out the details toward reclaiming this site.

A written proposal should be submitted to this office by July 23, 1979, as to how the City of Danville intends to reclaim these sites. If I can be of service, do not hesitate to contact me.

Sincerely,

Marsha Denton

Marsha Denton, Field Inspector
Non-Hazardous Waste Management Section
#3 O'Brien Street 564-4308

MD
CC: John Dickinson, E.P.A., Atlanta
Max Franks, Southern Railway
Jay Nuchols, City of Danville
Roger Blair, Director
Pat Haight, Chief, Non-Hazardous Waste Section; Ross Singleton, Area Supvr.
Dan Dolan, Chief, Hazardous Waste Section

GEOLOGIC MAP OF KENTUCKY

Sesquicentennial Edition of the Kentucky Geological Survey

By the

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

In cooperation with the

KENTUCKY GEOLOGICAL SURVEY

Donald C. Haney, State Geologist and Director

1988

Compiled by Martin C. Noger, Kentucky Geological Survey,

from the

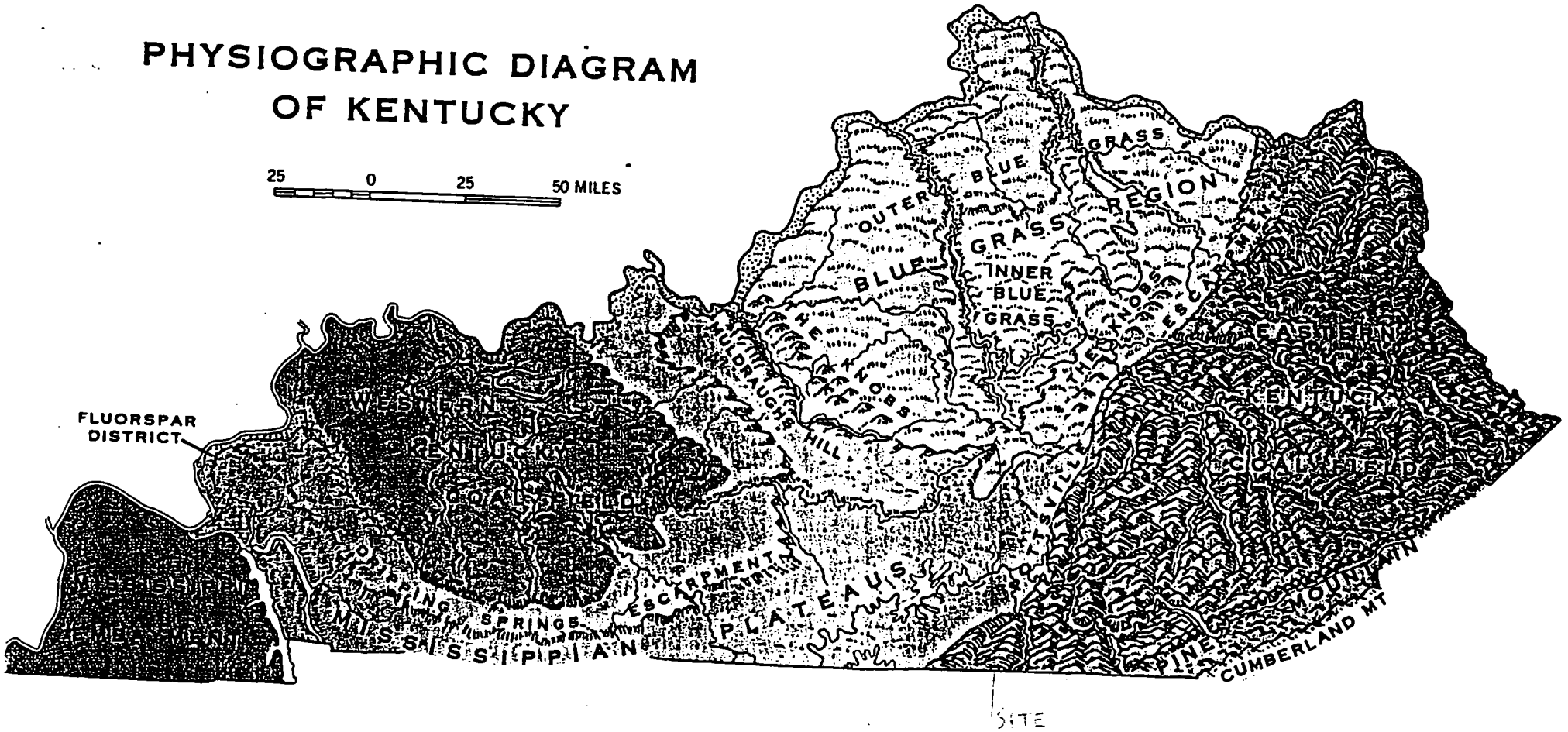
Geologic Map of Kentucky (Scale 1:250,000), 1981

by

Robert C. McDowell, George J. Grabowski, Jr., and Samuel L. Moore, U.S. Geological Survey

REFERENCE NO. 9

PHYSIOGRAPHIC DIAGRAM OF KENTUCKY



REFERENCE NO. 10

NATURAL REGIONS OF THE UNITED STATES AND CANADA

Charles B. Hunt
The Johns Hopkins University

W. H. FREEMAN AND COMPANY
San Francisco

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The photograph shows an aerial view of compound alluvial fans, east side of Death Valley, California.

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REFERENCE NO. 11

United States
Department of
Agriculture

Soil
Conservation
Service

In
Ke
for Natural Resources
and Environmental
Protection and
Kentucky Agricultural
Experiment Station

Soil Survey of Boyle and Mercer Counties Kentucky

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Issued April 1983

The east-central part of the survey area has karst topography and both surface and subterranean drainage. Many sinks are scattered over the landscape. This area is dominantly undulating to rolling, but some hillsides are steep. It is mainly used for corn, small grains, soybeans, tobacco, and hay, but the steeper slopes are used for pasture.

The eastern part of the survey area is dissected by the tributaries of the Kentucky and Dix Rivers. These rivers serve as the eastern boundary of the two counties. The ridgetops are karst, and some show evidence of old stream deposits. This area has undulating to rolling ridgetops and steep to very steep hillsides. Vertical limestone bluffs are along the rivers. Because of these palisades, only narrow, intermittent flood plains and terraces have developed. The area is dominantly used for woodland and pasture on the steeper slopes and for hay, corn, small grains, soybeans, and tobacco on the ridgetops. The terraces and flood plains along the rivers are mostly used for pasture because they are inaccessible to most row crop machinery. The elevation of the survey area ranges from 483 feet above sea level, which is the normal pool level of the Kentucky River at the Anderson County-Mercer County line, to about 1,364 feet in the southern part of Boyle County at Parksville Knob.

Forest products and limestone are the most important natural resources. The Kentucky River and Herrington Lake provide water for residential and industrial use for both counties. In addition, electricity is generated at Dix Dam on Herrington Lake. Gravel is excavated from the streambed of the North Rolling Fork River and its tributaries and is used in the construction of roads.

Urban and industrial development in Boyle and Mercer Counties have increased rapidly in recent years. Many of the industries are of major importance to the economy. Numerous historical landmarks attract tourists to the area. Herrington Lake is a major recreational site.

A previous soil survey of Mercer County was published in 1930 (*14*). This survey updates the first survey and provides additional information.

general nature of the survey area

This section provides general information about settlement, farming, and climate in Boyle and Mercer Counties.

settlement

Mercer County was formed in 1785 from territory taken from Lincoln County, one of the three original Kentucky counties. The county was named for General Hugh Mercer. Harrodsburg, the county seat, was founded in 1774 by James Harrod and a party of 31 men. It was the first permanent settlement west of the Allegheny Mountains.

Boyle County was formed in 1842 from territory taken from Mercer County. The county was named for John Boyle. Danville, the county seat, was laid out by Walker Daniel in 1781 and was originally named Boiling Spring. Danville was the site of 10 constitutional conventions that resulted in separation from Virginia and the formation of the commonwealth of Kentucky (*28*).

farming

According to the Bureau of Census (*27*), 91.9 percent of the soils in Boyle County and 82.6 percent in Mercer County were used for farming in 1974. This was a decrease in usage of about 6 percent in Boyle County and 7 percent in Mercer County from 1969. In 1974 there were 757 farms in Boyle County. This was a decrease from 882 farms in 1969 and 1,307 farms in 1940. The size of the average farm in Boyle County, however, increased from about 130 acres in 1969 to about 142 acres in 1974. In 1974 there were 1,071 farms in Mercer County. This was a decrease from 1,313 farms in 1969 and 1,932 farms in 1940. The size of the average farm in Mercer County increased from about 113 acres in 1969 to about 126 acres in 1974.

According to the Bureau of Census, there were about 75 percent owner operators, 16 percent part owner operators, and 9 percent tenant operators in Boyle County in 1974 and about 72 percent owner operators, 20 percent part owner operators, and 8 percent tenant operators in Mercer County. For both counties this was a slight percentage decrease in owner and tenant operators from 1969 and a slight percentage increase in part owner operators.

The main farm enterprises in Boyle and Mercer Counties are the raising of row crops, hay, pasture, and livestock and livestock products. A minor enterprise of significance in Boyle County is forest products. Corn and wheat are the principal grain crops; however, acreages of soybeans and sorghum have increased from 1969. Oats are grown for grain and hay, and barley is grown for grain and for a green manure cover crop. Burley tobacco makes up about 80 percent of the total value of crops sold in the survey area (fig. 1). Potatoes, vegetables, sweet corn, melons, berries, apples, peaches, and pears make up only a small percentage of the total farm products.

Alfalfa, red clover, Korean lespedeza, orchardgrass, Kentucky 31 fescue, and timothy are important hay crops. Kentucky 31 fescue, orchardgrass, and white clover are the most common pasture plants.

The total acreage of cropland, according to the 1974 census, was 25,382 acres in Boyle County and 29,474 acres in Mercer County. For both counties, this is an increase in harvested cropland as compared to 1969.

Livestock enterprises made up about 47 percent of the farm income in the survey area in 1974. Beef cattle and calves, dairy cattle, and hogs are the main livestock enterprises. In both counties from 1969 to 1974, the

These soils are in capability subclass VIIs. The Colyer soil is in woodland suitability group 4d, and the Trappist soil is in woodland suitability group 3c.

CuD—Culleoka-Caneyville complex, 12 to 20 percent slopes. This map unit consists of small areas of Culleoka and Caneyville soils that are so intermingled that they could not be separated at the scale selected for mapping. These soils are well drained and moderately deep. Areas of the unit range from 8 to 45 acres, and they are about 400 feet wide. They are on the upper side slopes in the Knobs. Individual areas of each soil are 1 acre to 6 acres.

Culleoka channery silt loam makes up about 50 to 75 percent of most mapped areas. Typically, the surface layer is brown channery silt loam about 8 inches thick. The subsoil to a depth of about 39 inches is strong brown. The upper part of the subsoil is channery silty clay loam, and the lower part is silty clay loam. Siltstone bedrock is at a depth of about 39 inches.

The Culleoka soil is low in natural fertility and moderate in organic matter content. It is strongly acid to medium acid. Permeability is moderate to moderately rapid, and available water capacity is moderate. The root zone is moderately deep. Soft bedrock is at a depth of 20 to 40 inches.

Caneyville silt loam makes up about 15 to 25 percent of most mapped areas. Typically, the surface layer is brown silt loam about 8 inches thick. The subsoil to a depth of about 26 inches is reddish brown. The upper part of the subsoil is silty clay, and the lower part is clay. The substratum to a depth of about 35 inches is brown clay. Limestone bedrock is at a depth of about 35 inches.

The Caneyville soil is low in natural fertility and moderate in organic matter content. It is very strongly acid to neutral in the surface layer and upper part of the subsoil and medium acid to neutral in the lower part of the subsoil and substratum. Permeability is moderately slow, and available water capacity is moderate. The root zone is moderately deep. This soil has moderate shrink-swell potential. Hard bedrock is at a depth of 20 to 40 inches.

Included with this complex in mapping are small areas of deep, clayey soils and a few areas of shallow, loamy soils. Also included are a few areas of limestone Rock outcrop.

On most of the acreage the Culleoka and Caneyville soils are used for pasture and woodland. They are suited to limited production of row crops and small grains; however, steepness of slope and the proximity of this narrow map unit to steep, wooded soils are limitations.

These soils are suited to most pasture and hay plants grown in the area; however, plants and seeding rates should be selected that provide an adequate amount of forage and ground cover. Frequent renovation of pasture is needed. Applications of lime and fertilizer, maintenance of proper stocking rates, use of rotational grazing, and control of weeds are important management practices.

The Culleoka soil is well suited to woodland. Eastern white pine, black walnut, yellow-poplar, shortleaf pine, Virginia pine, black oak, and white ash are preferred for planting on the Culleoka soil. The Caneyville soil also is suited to woodland. Virginia pine, white ash, black oak, white oak, and loblolly pine are best for planting on the Caneyville soil. The erosion hazard, equipment limitations, and plant competition are management concerns on these soils.

These soils are poorly suited to urban uses. Steepness of slope, moderate depth to bedrock, high clay content, and low strength of both soils and the moderately slow permeability of the Caneyville soil are limitations. Some of these limitations can be overcome by proper engineering techniques.

This complex is in capability subclass IVe. The Culleoka soil is in woodland suitability group 2r, and the Caneyville soil is in woodland suitability group 3c.

Du—Dunning silty clay loam. This deep, very poorly drained to poorly drained, nearly level soil is on flood plains, in narrow valleys, and on upland depressions in the Hills of the Bluegrass and the Inner Bluegrass. Areas range from 5 to 100 acres. They are about 170 to 900 feet wide. Slope ranges from 0 to 2 percent.

Typically, the surface layer is very dark gray silty clay loam about 7 inches thick. The subsurface layer is very dark gray silty clay loam about 7 inches thick. The subsoil to a depth of about 42 inches is dark gray silty clay mottled in shades of brown. The substratum to a depth of about 60 inches is gray clay mottled in shades of brown.

This soil is high in natural fertility and organic matter content. It is slightly acid to mildy alkaline throughout. Permeability is slow, and available water capacity is high. The root zone is deep. This soil is subject to frequent flooding during the winter and spring but generally is not flooded during the growing season (fig. 14). This soil has moderate shrink-swell potential. A seasonal high water table is within 6 inches of the surface for long periods during the latter part of winter and early in spring.

Included with this soil in mapping are areas of soils that have a surface layer of brown silt loam as much as 20 inches thick and areas of soils that have a black surface layer more than 24 inches thick. Also included are a few areas of intermingled Nolin, Boonesboro, Newark, and McGary soils.

On most of the acreage this Dunning soil is used for row crops, hay, and pasture (fig. 15). This soil is suited to row crops but is poorly suited to small grains. The seasonal high water table and flooding are limitations. Good water management practices, such as the installation of tile drainage and the construction of open ditches and diversions, together with the use of plants

subject to rare flooding during the winter and early in spring but generally is not flooded during the growing season.

Included with this soil in mapping are areas of deep, well drained, clayey soils on terraces. Also included are a few areas of intermingled Nicholson, McGary, and Nolin soils.

On most of the acreage this Elk soil is used for row crops, small grains, hay, and pasture. This soil is well suited to these uses, but flooding is a limitation.

This soil is well suited to most pasture and hay plants commonly grown in the area; however, some hay crops may be damaged by flooding. Frequent renovation of pasture is needed. Applications of lime and fertilizer, maintenance of proper stocking rates, use of rotational grazing, and control of weeds are important management practices.

This soil is well suited to woodland, but it is not used extensively for woodland production. Eastern white pine, northern red oak, yellow-poplar, black walnut, white oak, black oak, and loblolly pine are preferred for planting. Plant competition is a management concern.

This soil is poorly suited to most urban uses because of flooding. This limitation is difficult to overcome.

This soil is in capability class I and woodland suitability group 2o.

EkB—Elk silt loam, 2 to 6 percent slopes. This deep, well drained, gently sloping soil is on stream terraces throughout the survey area. Areas range from 4 to 60 acres. They are about 170 to 700 feet wide.

Typically, the surface layer is brown silt loam about 9 inches thick. The subsoil to a depth of about 50 inches is brown silt loam in the upper part and brown silty clay loam in the middle and lower parts. The substratum to a depth of about 80 inches is yellowish brown silty clay loam.

This soil is medium in natural fertility and moderate in organic matter content. It is slightly acid through medium acid. Permeability is moderate, and available water capacity is high. The root zone is deep.

Included with this soil in mapping are areas of deep, well drained, clayey soils on terraces, a few small areas of soils that have 5 to 15 percent pebbles in the subsoil; and a few, small low lying areas that are flooded at rare times. Also included are a few areas of intermingled Nicholson and McGary soils.

On most of the acreage this Elk soil is used for row crops, small grains, hay, and pasture. This soil is well suited to these uses, but erosion is a hazard if conventional tillage practices are used. Conservation tillage, including no-tillage, stripcropping, crop residue management, and contour planting, helps to control erosion and increase infiltration.

This soil is well suited to most pasture and hay plants grown in the area; however, plants and seeding rates should be selected that provide an adequate amount of forage and ground cover. Frequent renovation of pasture is needed. Applications of lime and fertilizer, maintenance of proper stocking rates, use of rotational grazing, and control of weeds are important management practices.

This soil is well suited to woodland, but it is not used extensively for woodland production. Eastern white pine, northern red oak, yellow-poplar, black walnut, white oak, black oak, and loblolly pine are preferred for planting. Plant competition is a management concern.

This soil is well suited to most urban uses, although low strength is a limitation for local roads and streets.

This soil is in capability subclass IIe and woodland suitability group 2o.

FaC—Fairmount-Rock outcrop complex, 6 to 12 percent slopes. This map unit consists of small areas of Fairmount soil and limestone rock that are so intermingled that they could not be separated at the scale selected for mapping. The Fairmount soil is well drained and shallow. Areas of the unit range from 5 to 35 acres, and they are about 500 feet wide. They are on narrow ridgetops and side slopes in the Inner Bluegrass and the Hills of the Bluegrass. Many areas are karst (fig. 16). Individual areas of the Fairmount soil are 0.1 acre to 4 acres intermingled with exposed limestone bedrock in bands ranging from 2 to 20 feet in width.

Fairmount flaggy silty clay loam makes up about 70 to 90 percent of most mapped areas. Typically, the surface layer is very dark grayish brown flaggy silty clay loam about 6 inches thick. The subsoil to a depth of about 14 inches is dark yellowish brown flaggy silty clay. Limestone bedrock is at a depth of about 14 inches.

The Fairmount soil is low in natural fertility and high in organic matter content. It is neutral to moderately alkaline throughout. Permeability is slow to moderately slow, and available water capacity is very low. The root zone is shallow. This soil has moderate shrink-swell potential. Hard bedrock is at a depth of 10 to 20 inches.

Limestone Rock outcrop makes up about 10 to 25 percent of most mapped areas.

Included with this complex in mapping are small areas of Faywood, Chenault, McAfee, Caleast, Eden, and Lowell soils.

On most of the acreage the Fairmount soil is used for pasture and woodland. It is not suited to row crops, small grains, and hay because of shallow depth of the root zone, Rock outcrop, flagstones on the surface, and very low available water capacity.

The Fairmount soil is suited to pasture plants; however, grasses and legumes should be selected that provide an adequate amount of forage and ground cover and do not require frequent renovation. Rock outcrop and very low available water capacity limit pasture production. Overgrazing and grazing when the soil is wet reduce ground cover and cause excessive runoff and erosion.

ground cover. Frequent renovation of pasture is needed. Applications of lime and fertilizer, maintenance of proper stocking rates, use of rotational grazing, and control of weeds are important management practices.

This soil is well suited to woodland, but it is not used extensively for woodland production. Yellow-poplar, eastern white pine, shortleaf pine, white oak, black oak, and white ash are preferred for planting. Plant competition is a management concern.

This soil is poorly suited to urban uses. Wetness and slow permeability are limitations for building sites and sanitary facilities. These limitations can be overcome by proper engineering techniques.

This soil is in capability subclass IIe and woodland suitability group 2o.

No—Nolin silt loam. This deep, well drained, nearly level soil is on flood plains and local alluvial areas on uplands throughout the survey area. Areas range from 4 to 300 acres. They are about 200 to 1,500 feet wide. Slope is 0 to 2 percent.

Typically, the surface layer is dark grayish brown silt loam about 10 inches thick. The subsoil to a depth of about 52 inches is dark yellowish brown silt loam in the upper part and dark yellowish brown silt loam mottled in shades of brown in the lower part. The substratum to a depth of about 60 inches is dark yellowish brown silt loam.

This soil is high in natural fertility and moderate in organic matter content. It is medium acid to moderately alkaline throughout. Permeability is moderate, and available water capacity is high. The root zone is deep. This soil is subject to frequent flooding during the winter and early in spring but generally is not flooded during the growing season (fig. 22). A seasonal high water table is within 36 to 72 inches of the surface generally during the winter and early in spring.

Included with this soil in mapping are areas of moderately well drained, loamy soils, areas of well drained and moderately well drained, clayey soils, and areas of clayey soils that have a loamy overwash. Also included are a few areas of intermingled Newark, Dunning, Boonesboro, Sensabaugh, and Elk soils.

On most of the acreage this Nolin soil is used for row crops, small grains, hay, and pasture. This soil is well suited to these uses; however, small grains and other winter crops may be damaged by flooding. The hazard of flooding is a concern in the management of this soil.

This soil is well suited to most pasture and hay plants grown in the area. Some hay crops, however, may be damaged by flooding. Frequent renovation of pasture is needed. Application of fertilizer, maintenance of proper stocking rates, use of rotational grazing, and control of weeds are important management practices.

This soil is well suited to woodland, but it is not used extensively for woodland production. Sweetgum, yellow-poplar, eastern white pine, eastern cottonwood, white ash, black walnut, white oak, and black oak are preferred for planting. Plant competition is a management concern.

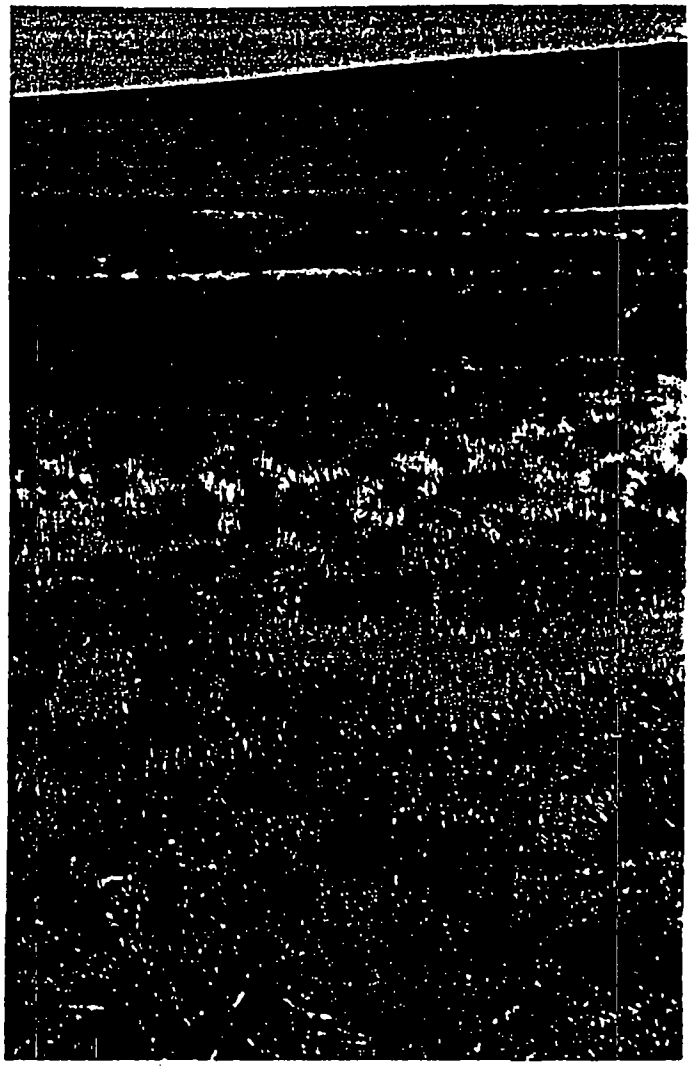

Figure 22.—Flooded pasture in an area of Nolin silt loam. In the background is an area of McAfee-Rock outcrop complex, 12 to 20 percent slopes.

This soil is poorly suited to urban uses because of the hazard of flooding.

This soil is in capability class IIw and woodland suitability group 1o.

Pt—Pits, quarries. Quarries are open excavations from which the soil and, commonly, the underlying material have been removed and limestone rock or other material is exposed. This material supports few or no plants. All of these limestone quarries are deep and have almost vertical walls (fig. 23). Pits that have an

Ap—0 to 8 inches; brown (10YR 4/3) channery silt loam; weak fine granular structure; very friable; common fine roots; 20 percent fragments of siltstone as much as 3 inches across; medium acid; abrupt smooth boundary.

B21t—8 to 25 inches; strong brown (7.5YR 5/6) channery silty clay loam; moderate medium subangular blocky structure; friable; common fine roots; common clay films on faces of peds; 15 percent fragments of siltstone as much as 1 inch across; strongly acid; gradual smooth boundary.

B22t—25 to 39 inches; strong brown (7.5YR 5/6) silty clay loam; moderate medium subangular blocky structure; firm; few fine roots; common clay films on faces of peds; 10 percent fragments of siltstone as much as 1 inch across; strongly acid; abrupt wavy boundary.

Cr—39 to 52 inches; soft, yellowish brown siltstone; less weathered and slightly harder as depth increases.

The thickness of the solum and depth to siltstone, limestone, or fine grained sandstone bedrock ranges from 20 to 40 inches. Content of coarse fragments ranges from 0 to 20 percent in the A horizon and from 5 to 35 percent in the B horizons. Reaction ranges from strongly acid to medium acid.

The A horizon has hue of 10YR, value of 4 or 5, and chroma of 2 or 3. It is silt loam or channery silt loam.

Some pedons have a B1 horizon 4 to 6 inches thick. This horizon has hue of 10YR, value of 4 or 5, and chroma of 4. The B1 horizon is silt loam, silty clay loam, or the channery analogues. The B21t horizon has hue of 7.5YR or 10YR, value of 4 or 5, and chroma of 4 or 6. It is silty clay loam, silt loam, or the channery analogues. The B22t horizon has a color range similar to that of the B21t horizon. It is silty clay loam or channery silty clay loam. Mottles are in shades of brown in some pedons. Some pedons have a B23t horizon 4 to 16 inches thick. This horizon has hue of 7.5YR, value of 5, and chroma of 6. The texture range is similar to that of the B22t horizon. Mottles are in shades of brown.

Dunning series

The Dunning series consists of deep, very poorly drained to poorly drained soils that formed in slack water alluvium that washed chiefly from soils formed in residuum of weathered limestone. Permeability is slow. These nearly level soils are on flood plains, in narrow valleys, and in upland depressions in the Hills of the Bluegrass and the Inner Bluegrass. Slope ranges from 0 to 2 percent.

Dunning soils are in positions on the landscape similar to those of the Boonesboro, Newark, Nolin, and McGary soils. Bedrock is at a depth of 20 to 40 inches in the well drained Boonesboro soils. Newark soils are somewhat poorly drained, and Nolin soils are well drained. Both soils are fine-silty. The somewhat poorly drained McGary soils are on adjacent stream terraces. They have an argillic horizon.

Typical pedon of Dunning silty clay loam, about 1.5 miles west of Danville on U.S. Highway 150; 2.0 miles north of U.S. Highway 150 on U.S. Highway 127 bypass; 2,500 feet west of U.S. Highway 127 bypass, in a pasture:

Ap—0 to 7 inches; very dark gray (10YR 3/1) silty clay loam; moderate medium granular structure; friable; many fine roots; neutral; clear smooth boundary.

A1g—7 to 14 inches; very dark gray (10YR 3/1) silty clay loam; moderate fine angular blocky structure; firm; many fine roots; few fine strong brown concretions; slightly acid; clear smooth boundary.

Bg—14 to 42 inches; dark gray (10YR 4/1) silty clay; few medium distinct brown (7.5YR 4/4) mottles; moderate medium angular blocky structure; firm; few fine roots; few medium strong brown concretions; neutral; clear smooth boundary.

Cg—42 to 60 inches; gray (N 5/0) clay; many medium distinct grayish brown (10YR 5/2) and common fine distinct pale brown (10YR 6/3) mottles; massive; very firm; many medium strong brown concretions; mildly alkaline.

The thickness of the solum ranges from 30 to 50 inches and depth to bedrock is 60 inches or more. Thickness of the mollic epipedon ranges from 12 to 24 inches. Reaction ranges from slightly acid to mildly alkaline throughout.

The Ap and the A1g horizons have hue of 10YR, value of 2 or 3, and chroma of 0 to 2. The Ap horizon is silt loam or silty clay loam, and the A1g horizon is silty clay loam.

The Bg horizon has hue of 10YR, value of 4 or 5, and chroma of 0 to 2. It is silty clay loam, silty clay, or clay. Mottles are in shades of brown or gray.

The Cg horizon has hue of 10YR, 2.5Y, or 5Y, value of 4 to 6, and chroma of 0 or 1. It is silty clay or clay. Mottles are in shades of brown, gray, or olive.

Eden series

The Eden series consists of moderately deep, well drained, slowly permeable soils that formed in residuum of weathered, thin bedded siltstone, limestone, and shale. These soils are on sloping to steep side slopes and narrow ridgetops in the Hills of the Bluegrass. Slope ranges from 6 to 30 percent.

Eden soils are associated on the landscape with Lowell and Nicholson soils on ridgetops and with Faywood and Fairmount soils on side slopes. Lowell and Nicholson soils do not have a lithic or paralithic contact within 40 inches of the surface, and Nicholson soils have a fragipan. Fairmount and Faywood soils are shallower to hard rock than Eden soils.

Typical pedon of Eden silty clay loam, in an area of Eden silty clay loam, 6 to 20 percent slopes, about 0.8 mile south of Cornishville, and 0.5 mile west of Kentucky Highway 1941 on Huffman West road; 1,000 feet north of Huffman West road, in a wooded area:

Ap—0 to 5 inches; dark grayish brown (10YR 4/2) silty clay loam; moderate fine granular structure; firm; many fine roots; 5 percent fragments of limestone and siltstone as much as 4 inches long; moderately alkaline; abrupt smooth boundary.

B21t—5 to 11 inches; olive brown (2.5Y 4/4) clay; few fine distinct light olive brown (2.5Y 5/6) mottles; moderate fine angular blocky structure; firm; common fine, medium and coarse roots; common clay films on faces of peds; 10 percent fragments of limestone and siltstone as much as 6 inches long; neutral; clear smooth boundary.

B22t—11 to 16 inches; olive brown (2.5Y 4/4) flaggy clay; moderate medium angular blocky structure; firm; few fine and medium roots; common clay films on faces of peds; 20 percent fragments of limestone and siltstone as much as 8 inches long; neutral; clear smooth boundary.

B23t—16 to 24 inches; yellowish brown (10YR 5/6) flaggy clay; moderate fine and medium angular blocky structure; firm; few very fine, fine, and medium roots; common clay films on faces of peds; 30 percent fragments of limestone and siltstone as much as 9 inches long; neutral; clear smooth boundary.

C—24 to 39 inches; light olive brown (2.5Y 5/4) flaggy clay; few medium distinct brown (10YR 5/3) and few fine prominent dark brown (10YR 3/3) mottles; massive; very firm; 30 percent fragments of limestone and siltstone as much as 10 inches long; moderately alkaline; clear smooth boundary.

Cr—39 to 64 inches; light olive brown (2.5Y 5/4) soft, calcareous shale in beds 8 to 15 inches thick interbedded with fractured, brown siltstone 1/2 inch to 2 inches thick and gray limestone beds 1/2 inch to 4 inches thick.

The thickness of the solum ranges from 14 to 40 inches. Depth to a paralithic contact of interbedded shale, siltstone, and limestone ranges from 20 to 40 inches. Coarse fragments of limestone, siltstone, and shale range from 0 to 25 percent in the A horizon, from 10 to 35 percent in the B horizon, and from 25 to 75 percent in the C horizon. Reaction ranges from strongly acid to moderately alkaline throughout.

The Ap horizon has hue of 10YR or 2.5Y, value of 4 or 5, and chroma of 2 to 4. It is silty clay loam, silty clay, or the flaggy analogues.

Some pedons have a B1 horizon that has hue of 10YR or 2.5Y, value of 4 or 5, and chroma of 3 to 6. It is silty clay loam or flaggy silty clay loam. Mottles are in shades of brown. The B2t horizon has a color range similar to that of the B1 horizon. It is silty clay, clay, or the flaggy analogues. Mottles are in shades of brown or olive. Some pedons have a B3 horizon with hue of 2.5Y or 5Y, value of 4 or 5, and chroma of 3 to 6. Texture and mottles are similar to those of the B2t horizon.

The C horizon has hue of 2.5Y, 5Y, or 5GY, value of 4 to 6, and chroma of 0 to 4. It is the flaggy or very flaggy analogues of silty clay or clay. Mottles are in shades of gray, olive, or brown.

Elk series

The Elk series consists of deep, well drained soils that formed in mixed alluvium from soils developed in residuum of weathered limestone, siltstone, shale, or sandstone. Permeability is moderate. These nearly level to gently sloping soils are on stream terraces throughout the survey area. Slope ranges from 0 to 6 percent.

Elk soils are in positions on the landscape similar to those of the Nicholson, Nolin, and McGary soils. Nicholson soils are on adjacent terraces and have a fragipan. The clayey and somewhat poorly drained McGary soils are on adjacent terraces. Nolin soils are on lower lying flood plains and are frequently flooded. They do not have an argillic horizon.

Typical pedon of Elk silt loam, in an area of Elk silt loam, 0 to 2 percent slopes, about 1.5 miles north of Cornishville on Kentucky Highway 1941, and 400 feet southwest of the Chaplin River bridge:

Ap—0 to 9 inches; brown (10YR 4/3) silt loam; weak fine granular structure; friable; common fine roots; neutral; abrupt smooth boundary.

B1—9 to 17 inches; brown (7.5YR 5/4) silt loam; weak medium subangular blocky structure; friable; few fine roots; few clay films on faces of peds; slightly acid; clear smooth boundary.

B21t—17 to 34 inches; brown (7.5YR 5/4) silty clay loam; moderate medium subangular blocky structure; friable; few fine roots; common clay films on faces of peds; few fine reddish black concretions; medium acid; clear smooth boundary.

B22t—34 to 50 inches; brown (7.5YR 4/4) silty clay loam; few fine distinct pale brown (10YR 6/3) mottles; moderate medium subangular blocky structure; friable; few fine roots; common clay films on faces of peds; 2 percent pebbles as much as 1/2 inch across; few fine reddish black concretions; medium acid; gradual smooth boundary.

C—50 to 80 inches; yellowish brown (10YR 5/4) silty clay loam; massive; friable; 2 percent pebbles as much as 1 inch across; few fine reddish black concretions; slightly acid.

The thickness of the solum ranges from 36 to 58 inches, and depth to limestone, siltstone, or shale bedrock is more than 60 inches. Content of coarse

Ap—0 to 9 inches; brown (10YR 4/3) silt loam; moderate fine and medium granular structure; very friable; many fine roots; few fine black concretions; neutral; clear smooth boundary.

B2t—9 to 19 inches; yellowish brown (10YR 5/6) silty clay loam; moderate medium subangular blocky structure; friable; common fine roots; common clay films on faces of peds; few fine black concretions; medium acid; clear smooth boundary.

Bx—19 to 28 inches; yellowish brown (10YR 5/6) silty clay loam; many medium prominent light brownish gray (10YR 6/2) mottles; very coarse prismatic structure parting to weak subangular blocky; firm, compact, and brittle; few fine roots between prisms; prisms coated with light brownish gray silty clay; few clay films on faces of peds; few fine black concretions; strongly acid; gradual wavy boundary.

IIB3—28 to 43 inches; strong brown (7.5YR 5/6) clay; common medium distinct light brownish gray (10YR 6/2) mottles; moderate medium angular blocky structure; firm; thin continuous clay films on faces of peds; few fine black concretions; slightly acid; clear smooth boundary.

IIC—43 to 78 inches; light olive brown (2.5Y 5/4) clay; many medium distinct light olive gray (5Y 6/2) and many medium distinct yellowish brown (10YR 5/6) mottles; massive; thin platy relict shale structure; very firm; 5 percent fragments of siltstone as much as 2 inches across; neutral; abrupt smooth boundary.

IIR—78 inches; interbedded shale, siltstone, and limestone.

The thickness of the solum ranges from 40 to 80 inches, and depth to limestone, siltstone, or shale bedrock ranges from 60 to 100 inches. Depth to the fragipan is 18 to 30 inches. Content of limestone, siltstone, or shale fragments ranges from 0 to 15 percent in the IIB horizon and from 0 to 25 percent in the IIC horizon. Reaction ranges from very strongly acid to medium acid throughout the fragipan unless limed and from strongly acid to mildly alkaline below the fragipan.

The Ap horizon has hue of 10YR or 7.5YR, value of 4 or 5, and chroma of 2 to 4.

The B2t horizon has hue of 10YR or 7.5YR, value of 4 or 5, and chroma of 3 to 6. It is silt loam or silty clay loam. Mottles are in shades of brown in some pedons. The Bx horizon has hue of 7.5YR, 10YR, or 2.5Y, value of 3 to 5, and chroma of 4 to 8. It is silt loam or silty clay loam. Mottles are in shades of gray. Structure is very coarse prismatic parting to weak or moderate, fine to coarse blocky. The IIB horizon has hue of 5YR, 7.5YR, 10YR, or 2.5YR, value of 4 or 5, and chroma of 4 or 6. It is silty clay or clay. Mottles are in shades of brown, red, or gray.

The IIC horizon has a color range similar to that of the IIB horizon. It is silty clay, clay, or the flaggy, channery, or shaly analogues.

Nolin series

The Nolin series consists of deep, well drained soils that formed in mixed alluvium from soils formed in residuum of weathered limestone, shale, siltstone, or sandstone. Permeability is moderate. These nearly level soils are on flood plains and local alluvial upland areas throughout the survey area. Slope ranges from 0 to 2 percent.

Nolin soils are in positions on the landscape similar to those of the Newark, Dunning, Boonesboro, Sensabaugh, Elk, and Nicholson soils. Newark soils are somewhat poorly drained. Dunning soils are clayey and are very poorly drained to poorly drained. In the Boonesboro soils bedrock is at a depth of 20 to 40 inches. Sensabaugh soils are fine-loamy. Elk soils are on slightly higher lying terraces than Nolin soils and have an argillic horizon. Nicholson soils are on slightly higher terraces and have a fragipan.

Typical pedon of Nolin silt loam, about 3.5 miles southeast of Danville on U.S. Highway 150 and 0.2 mile south of Ball's Branch bridge on U.S. Highway 150; 300 feet west of U.S. Highway 150, in a hayfield:

Ap—0 to 10 inches; dark grayish brown (10YR 4/2) silt loam; weak fine granular structure; very friable; common fine roots; neutral; abrupt smooth boundary.

B21—10 to 35 inches; dark yellowish brown (10YR 4/4) silt loam; moderate fine and medium granular structure; friable; common fine roots; neutral; clear smooth boundary.

B22—35 to 52 inches; dark yellowish brown (10YR 4/4) silt loam; common medium distinct pale brown (10YR 6/3) mottles; weak fine subangular blocky structure; friable; common fine roots; common fine very dusky red concretions; neutral; gradual smooth boundary.

C—52 to 60 inches; dark yellowish brown (10YR 4/4) silt loam; massive; friable; 5 percent pebbles as much as 2 inches across; many fine very dusky red concretions; neutral.

The thickness of the solum ranges from 40 to 70 inches, and depth to bedrock is more than 60 inches. Content of coarse fragments ranges from 0 to 5 percent in the solum and from 0 to 15 percent in the C horizon. Reaction ranges from medium acid to moderately alkaline throughout.

The Ap horizon has hue of 10YR, value of 4, and chroma of 2 or 3.

The B2 horizon has hue of 10YR or 7.5YR, value of 4 or 5, and chroma of 3 or 4. It is silt loam or silty clay

TABLE 16.--SOIL AND WATER FEATURES

The definitions of "flooding" and "water table" in the Glossary explain terms such as "rare," "brief," "apparent," and "perched." The symbol > means more than. Absence of an entry indicates that the feature is not a concern]

Map symbol and soil name	Hydrologic group	Flooding			High water table			Bedrock		Risk of corrosion	
		Frequency	Duration	Months	Depth	Kind	Months	Depth	Hardness	Uncoated steel	Concrete
					Ft			In			
Bo: Boonesboro	B	Frequent	Brief	Jan-Apr	>6.0	---	---	20-40	Hard	Low	Low.
CaB, CaC: Caleast	C	None	---	---	>6.0	---	---	>40	Hard	Moderate	Moderate.
CoD:*											
Caneyville	C	None	---	---	>6.0	---	---	20-40	Hard	High	Moderate.
Rock outcrop.											
CeD:*											
Caneyville	C	None	---	---	>6.0	---	---	20-40	Hard	High	Moderate.
Vertrees	B	None	---	---	>6.0	---	---	>60	---	Moderate	Moderate.
CgB, CgC: Carpenter	B	None	---	---	>6.0	---	---	>40	Soft	Low	Moderate.
ClE:*											
Carpenter	B	None	---	---	>6.0	---	---	>40	Soft	Low	Moderate.
Lenberg	C	None	---	---	>6.0	---	---	20-40	Soft	Moderate	Moderate.
CmB, CmC: Chenault	B	None	---	---	>6.0	---	---	>40	Hard	Low	Moderate.
CnD:*											
Chenault	B	None	---	---	>6.0	---	---	>40	Hard	Low	Moderate.
Caleast	C	None	---	---	>6.0	---	---	>40	Hard	Moderate	Moderate.
CoD:*											
Colyer	D	None	---	---	>6.0	---	---	10-20	Hard	High	High.
Trappist	C	None	---	---	>6.0	---	---	20-40	Hard	High	High.
CuD:*											
Culleoka	B	None	---	---	>6.0	---	---	20-40	Soft	Low	Moderate.
Caneyville	C	None	---	---	>6.0	---	---	20-40	Hard	High	Moderate.
Du: Dunning	D	Frequent	Brief	Dec-May	0-0.5	Apparent	Jan-Apr	>60	---	High	Moderate.
EdD, EeE3: Eden	C	None	---	---	>6.0	---	---	20-40	Soft	Moderate	Low.
EkA: Elk	B	Rare	---	---	>6.0	---	---	>60	---	Moderate	Moderate.
EkB: Elk	B	None	---	---	>6.0	---	---	>60	---	Moderate	Moderate.
FaC,* FaD,* FaF:*											
Fairmount	D	None	---	---	>6.0	---	---	10-20	Hard	Moderate	Low.
Rock outcrop.											
FdC, FdD, FwD3: Faywood	C	None	---	---	>6.0	---	---	20-40	Hard	High	Moderate.
GaF: Garmon	C	None	---	---	>6.0	---	---	20-40	Hard	Low	Moderate.

See footnote at end of table.

TABLE 16.--SOIL AND WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table			Bedrock		Risk of corrosion	
		Frequency	Duration	Months	Depth	Kind	Months	Depth	Hardness	Uncoated steel	Concrete
					Ft			In			
LoB, LoC, LoD, LwC3 Lowell	C	None	---	---	>6.0	---	---	>40	Hard	High	Moderate.
MaA, MaB, MaC Maury	B	None	---	---	>6.0	---	---	>60	---	Moderate	Moderate.
McB, McC, McD McAfee	C	None	---	---	>6.0	---	---	20-40	Hard	High	Moderate.
MeD,* MeF:* McAfee	C	None	---	---	>6.0	---	---	20-40	Hard	High	Moderate.
Rock outcrop.											
Mg McGary	C	None	---	---	1.0-3.0	Apparent	Jan-Apr	>60	---	High	Low.
Ne Newark	C	Frequent	Brief	Jan-Apr	0.5-1.5	Apparent	Dec-May	>60	---	High	Moderate.
NhB Nicholson	C	None	---	---	1.5-2.5	Perched	Jan-Apr	>60	---	High	Moderate.
No Nolin	B	Frequent	Brief to long.	Feb-May	3.0-6.0	Apparent	Feb-Mar	>60	---	Low	Moderate.
Pt.* Pits											
Se Sensabaugh	B	Frequent	Very brief	Jan-Apr	4.0-6.0	Apparent	Jan-Apr	>40	Hard	Low	Low.
TlA, TlB Tilsit	C	None	---	---	1.5-2.5	Perched	Jan-Apr	>40	Hard	High	High.
TpB, TpC Trappist	C	None	---	---	>6.0	---	---	20-40	Hard	High	High.
VeC Vertrees	B	None	---	---	>6.0	---	---	>60	---	Moderate	Moderate.

* See description of the map unit for composition and behavior characteristics of the map unit.

SOIL LEGEND

The first letter, always a capital, is the initial letter of the soil name. The second letter is used to identify separate mapping units that begin with the same first letter. The third letter, if used, is a capital and connotes slope class. Symbols without a slope letter are nearly level, except for Pits, which are miscellaneous areas, and are not soil. A final number, 3, in the symbol shows that the soil is severely eroded.

SYMBOL	NAME
Bo	Boonesboro silt loam
CaB	Caleast silt loam, 2 to 6 percent slopes
CaC	Caleast silt loam, 6 to 12 percent slopes
CcD	Caneyville-Rock outcrop complex, 6 to 20 percent slopes
CeD	Caneyville-Vertrees silt loams, 12 to 20 percent slopes
CgB	Carpenter gravelly silt loam, 2 to 6 percent slopes
CgC	Carpenter gravelly silt loam, 6 to 12 percent slopes
ClE	Carpenter-Lenberg gravelly silt loams, 12 to 30 percent slopes
CmB	Chenault gravelly silt loam, 2 to 6 percent slopes
CmC	Chenault gravelly silt loam, 6 to 12 percent slopes
CnD	Chenault-Caleast complex, 12 to 20 percent slopes
CoD	Colyer-Trappist silt loams, 12 to 30 percent slopes
CuD	Culleoka-Caneyville complex, 12 to 20 percent slopes
Du	Dunning silty clay loam
EdD	Eden silty clay loam, 6 to 20 percent slopes
EeE3	Eden flaggy silty clay, 20 to 30 percent slopes, severely eroded
EkA	Elk silt loam, 0 to 2 percent slopes
EkB	Elk silt loam, 2 to 6 percent slopes
FaC	Fairmount-Rock outcrop complex, 6 to 12 percent slopes
FaD	Fairmount-Rock outcrop complex, 12 to 30 percent slopes
FaF	Fairmount-Rock outcrop complex, 30 to 60 percent slopes
FdC	Faywood silt loam, 6 to 12 percent slopes
FdD	Faywood silt loam, 12 to 20 percent slopes
FwD3	Faywood silty clay, 12 to 20 percent slopes, severely eroded
GaF	Garmon silt loam, 25 to 60 percent slopes
LoB	Lowell silt loam, 2 to 6 percent slopes
LoC	Lowell silt loam, 6 to 12 percent slopes
LoD	Lowell silt loam, 12 to 20 percent slopes
LwC3	Lowell silty clay loam, 6 to 12 percent slopes, severely eroded
MaA	Maury silt loam, 0 to 2 percent slopes
MaB	Maury silt loam, 2 to 6 percent slopes
MaC	Maury silt loam, 6 to 12 percent slopes
McB	McAfee silt loam, 2 to 6 percent slopes
McC	McAfee silt loam, 6 to 12 percent slopes
McD	McAfee silt loam, 12 to 20 percent slopes
MeD	McAfee-Rock outcrop complex, 12 to 20 percent slopes
MeF	McAfee-Rock outcrop complex, 20 to 60 percent slopes
Mg	McGary silt loam
Ne	Newark silt loam
NhB	Nicholson silt loam, 2 to 6 percent slopes
No	Nolin silt loam
Pt	Pits, quarries
Se	Sensabaugh gravelly silt loam
TlA	Tilsit silt loam, 0 to 2 percent slopes
TlB	Tilsit silt loam, 2 to 6 percent slopes
TpB	Trappist silt loam, 2 to 6 percent slopes
TpC	Trappist silt loam, 6 to 12 percent slopes
VaC	Vertrees silt loam, 6 to 12 percent slopes

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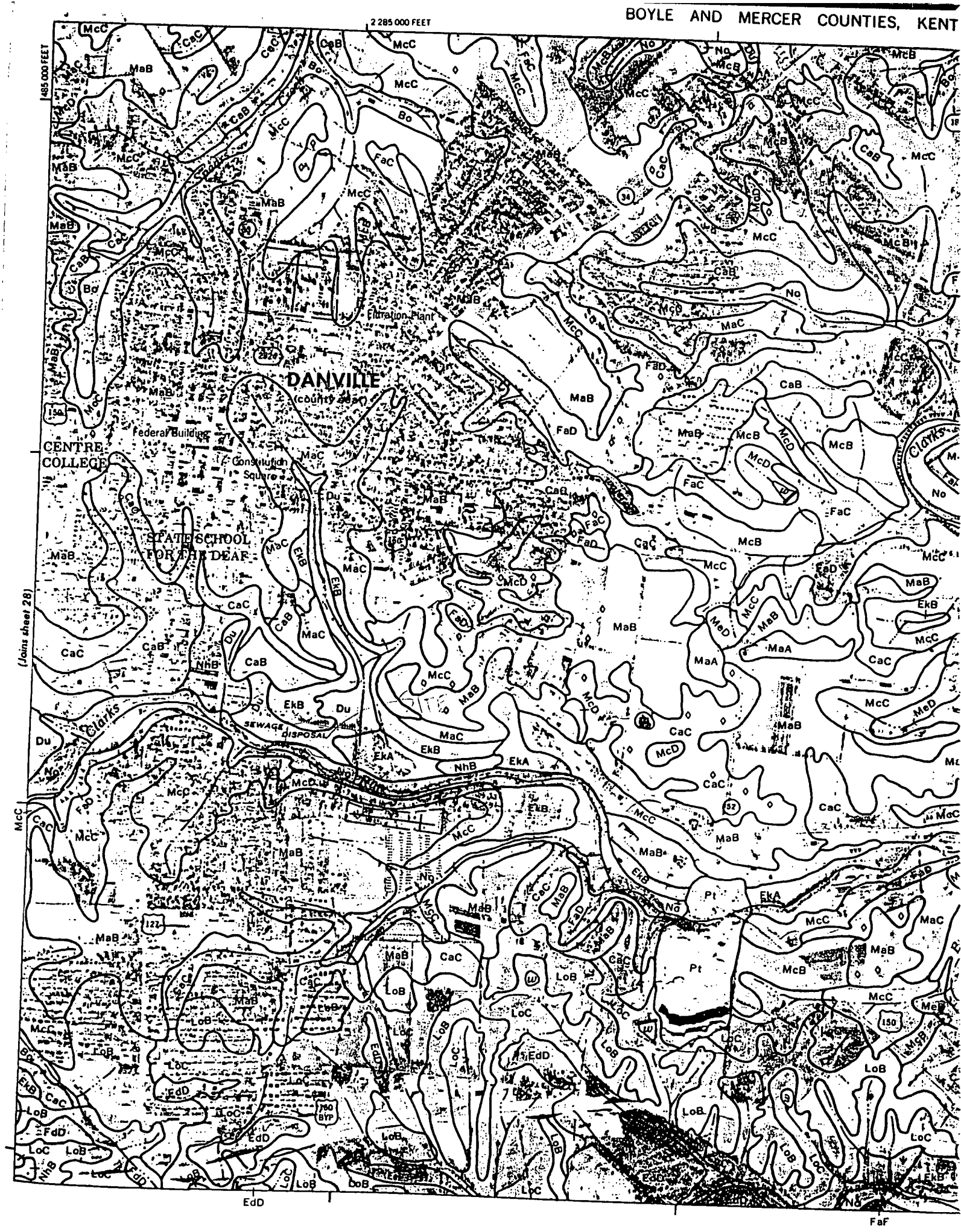

2 285 000 FEET
485 000 FEET
DANVILLE
(county seat)
Filtration Plant
Federal Building
Constitution Square
CENTRE COLLEGE
STATE SCHOOL FOR THE DEAF
SEWAGE DISPOSAL
Clarks
(Joins sheet 28)
McC
CaC
CaB
MaB
Bo
FaC
FaD
McB
McD
MaC
MaA
No
Du
EkB
EkA
NhB
Pt
LoB
LoC
EdD
FaF

MAP GQ-985

REFERENCE NO. 12

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF KENTUCKY
UNIVERSITY OF KENTUCKY
KENTUCKY GEOLOGICAL SURVEY
WALLACE W. HAGAN, DIRECTOR AND
STATE GEOLOGIST

GEOLOGIC QUADRANGLE MAPS OF THE UNITED STATES

GEOLOGIC MAP OF THE DANVILLE QUADRANGLE MERCER AND BOYLE COUNTIES KENTUCKY

By
E. R. Cressman

INDEX MAP OF KENTUCKY

PUBLISHED BY THE U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C., 1968

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 1058246 Site ID: KYD980839849

Site Name: Terrell Drive Dump

Nature of Material:

Map:	✓	Computer Disks:	
Photos:		CD-ROM:	
Blueprints:		Oversized Report:	
Slides:		Log Book:	

Other (describe): Geological Map (Ref. 12)

Amount of material:

Please contact the appropriate Records Center to view the material.

Reference 13

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

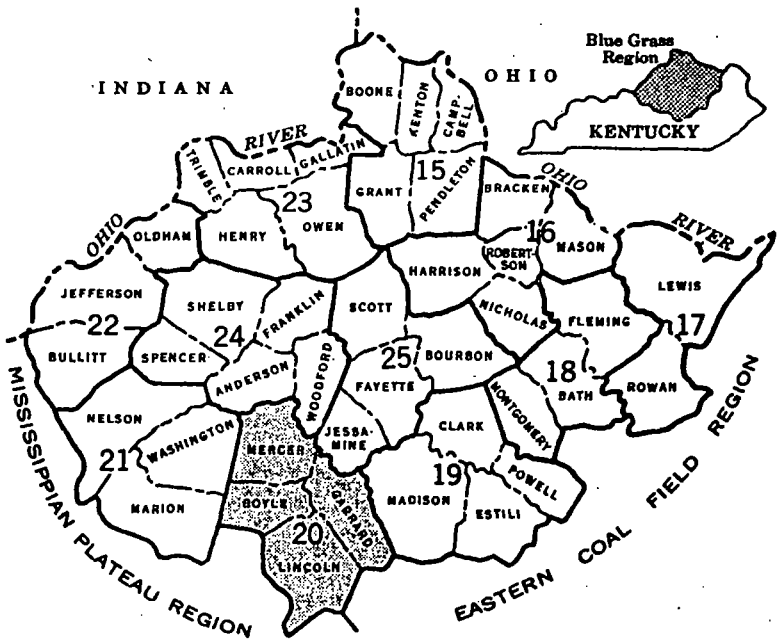
PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF KENTUCKY
DEPARTMENT OF ECONOMIC DEVELOPMENT
AND THE KENTUCKY GEOLOGICAL SURVEY
UNIVERSITY OF KENTUCKY

AVAILABILITY OF GROUND WATER IN BOYLE, GARRARD LINCOLN, AND MERCER COUNTIES, KENTUCKY

By

W. N. Palmquist, Jr., and F. R. Hall

HYDROLOGIC INVESTIGATIONS
ATLAS HA-20



INDEX MAP OF THE BLUE GRASS REGION, KENTUCKY, SHOWING COUNTY GROUPS AND AREA OF THIS ATLAS

This is 1 of 11 atlases (HA-15 to HA-25) showing the geology and availability of ground water in the Blue Grass region, Kentucky. U. S. Geological Survey Water-Supply Paper 1533 contains a text description and illustrations providing further information on the occurrence and quality of the ground water in the Blue Grass region.

PUBLISHED BY THE U. S. GEOLOGICAL SURVEY

3 HA-20

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 1058214 Site ID: KYD980839849

Site Name: Jarrell Drive Dump

Nature of Material:

Map:	✓	Computer Disks:	
Photos:		CD-ROM:	
Blueprints:		Oversized Report:	
Slides:		Log Book:	

Other (describe): Geological Survey (Ref. 13)

Amount of material:

Please contact the appropriate Records Center to view the material.

TELEPHONE CONTACT SUMMARY
DYNAMAC CORPORATION

Call made by:	Russ Crittenden	Signature/Date: Russ Crittenden 8/26/93
On (Date):	August 26, 1993	Facility:Terrell Drive Dump
At (Time):	2:00 p.m.	CERCLIS or EPA ID No.:KYD980839849

Person(s) contacted:	Tom Crawford
Title/Position:	Utility Director
Phone:	(606) 238-1241
Organization:	Danville Water Department
Address (City/State):	P.O. 670, Danville, KY 40422

GENERAL SUBJECT

Drinking water supply for Danville and surrounding areas.

CONVERSATION SUMMARY

Mr. Crawford stated that the City of Danville receives drinking water from a surface water intake on Herrington Lake. The surface water intake is located on Herrington Lake east of Gwinn Island. The City of Danville distributes drinking water to the City and immediate vicinity, and also to 6 other districts; Lake District, Hedgeville, Perryville, Parksville, Junction City, and Hustonville. He stated that municipal water is available to rural residents and that he did not know of any rural residents not served by the municipal systems. He suggested that Mr. Luther Galloway, Danville City Engineer, may have additional information.

TELEPHONE CONTACT SUMMARY
DYNAMAC CORPORATION

Call made by:	Dawn Thompson	Signature/Date: Dawn Thompson/9-9-93
On (Date):	September 9, 1993	Facility: Terrell Drive Dump
At (Time):	10:30 a.m.	CERCLIS or EPA ID No.: KYD980839849

Person(s) contacted:	Luther Galloway
Title/Position:	City Engineer
Phone:	(606) 238-1200
Organization:	Danville Water Department
Address (City/State):	P.O. 670, Danville, KY 40422

GENERAL SUBJECT

Drinking water supply for Danville and surrounding areas.

CONVERSATION SUMMARY

Mr. Galloway stated that the City of Danville receives drinking water from Herrington Lake. He stated that all of Boyle County is served by the public water supply. He said that generally drilled wells in the area do not produce enough water to supply a household (< 100 gallons per day) and that the water is brackish. He stated that there are always exceptions and that there may be a very few private wells but he had no further information. He said that also some people may use water cisterns to collect rainwater for drinking.

The pumping station located at the junction of Clarks Run and the Dix River is the original pumping station built in 1924. It did not operate properly and was abandoned in 1935 when the new one was built.

REFERENCE NO. 16

PROJECT NOTE

DATE: 28 November 1993

TO: Terrell Drive Dump file
EPA ID No. KYD980839849

FROM: Charlotte M. Boulind, Environmental Scientist, Dynamac Corporation

Charlotte M Boulind 28.11.93

SUBJECT: Map of Danville Water Department service area

Luther Galloway, City Engineer, of the Danville Water Department sent the attached map which depicts the water service distribution area for the Danville Water Department. Dawn Thompson of Dynamac Corporation received the map on September 15, 1993.

Attachment

U. S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10582146 Site ID: KYD980839849

Site Name: Terrell Drive Dump

Nature of Material:

Map:	✓	Computer Disks:	
Photos:		CD-ROM:	
Blueprints:		Oversized Report:	
Slides:		Log Book:	

Other (describe): Danville Water Department (Ref. 16)

Amount of material:

Please contact the appropriate Records Center to view the material.

REFERENCE NO. 17

TELEPHONE CONTACT SUMMARY
DYNAMAC CORPORATION

Call made by: Russ Crittenden
On (Date): October 25, 1993
At (Time): 9:35am

Signature/Date: Russ Crittenden 10/25/93
Facility: Terrell Drive Dump
CERCLIS or EPA ID No.: KYD980839849

Person(s) contacted: Harold Leach
Title/Position: Mayor
Phone: (606) 854-3427
Organization: Junction City, KY
Address (City/State): Junction City, KY

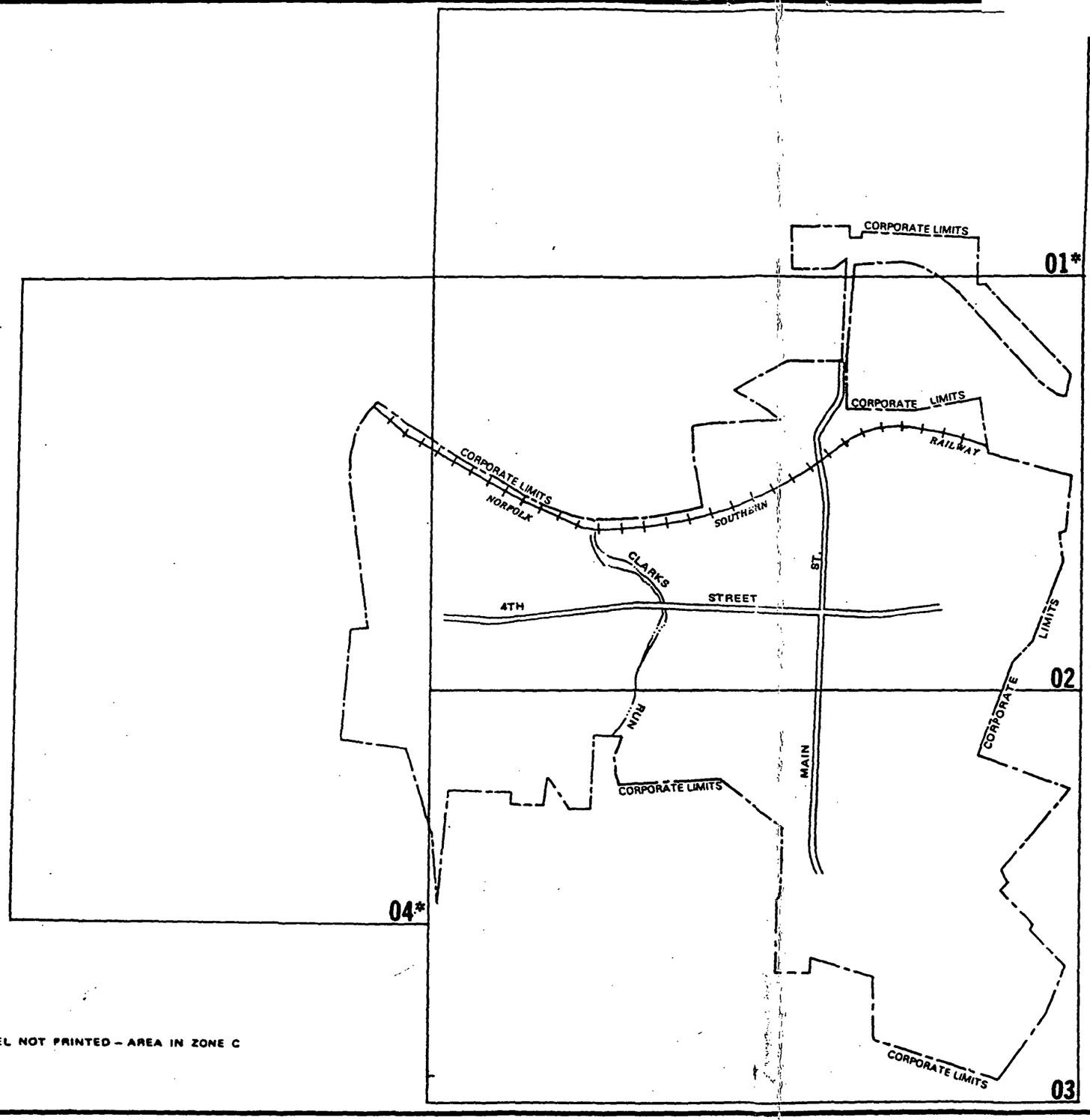
GENERAL SUBJECT

Water service distribution

CONVERSATION SUMMARY

I called to verify that Junction City water service extends into the northern portion of Lincoln County, Kentucky. Mr. Leach refused to cooperate with the inquiry and cut off the phone connection.

REFERENCE NO. 18



*PANEL NOT PRINTED – AREA IN ZONE C

KEY TO MAP

ZONE DESIGNATIONS*

ZONE C

ZONE A

ZONE C

Base Flood Elevation Line with elevation in feet	513
Base Flood Elevation where uniform within zone	(EL 987)
Elevation Reference Mark	$RM7_K$
River Mile	• M1.5

*EXPLANATION OF ZONE DESIGNATIONS

A flood insurance map displays the zone designations for a community according to areas of designated flood hazards. The zone designations used by FEMA are

ZONE	EXPLANATION
A	Areas of 100-year flood base flood elevations and flood hazard factors not determined
AO	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet, average depths of inundation are shown, but no flood hazard factors are determined
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet, base flood elevations are shown, but no flood hazard factors are determined
A1-A30	Areas of 100-year flood, base flood elevations and flood hazard factors determined
A99	Areas of 100-year flood to be protected by flood protection system under construction, base flood elevations and flood hazard factors not determined
B	Areas between limits of the 100-year flood and 500-year flood, or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile, or areas protected by levees from the base flood (Medium shading)
C	Areas of minimal flooding (No shading)
D	Areas of undetermined, but possible flood hazards
V	Areas of 100-year coastal flood with velocity (wave action), base flood elevations and flood hazard factors not determined
V1-V30	Areas of 100-year coastal flood with velocity (wave action), base flood elevations and flood hazard factors determined

NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only, it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

To determine if flood insurance is available in this community contact your insurance agent or call the National Flood Insurance Program at (800) 638-6620.

INITIAL IDENTIFICATION: MAY 31, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS: FEBRUARY 20, 1976

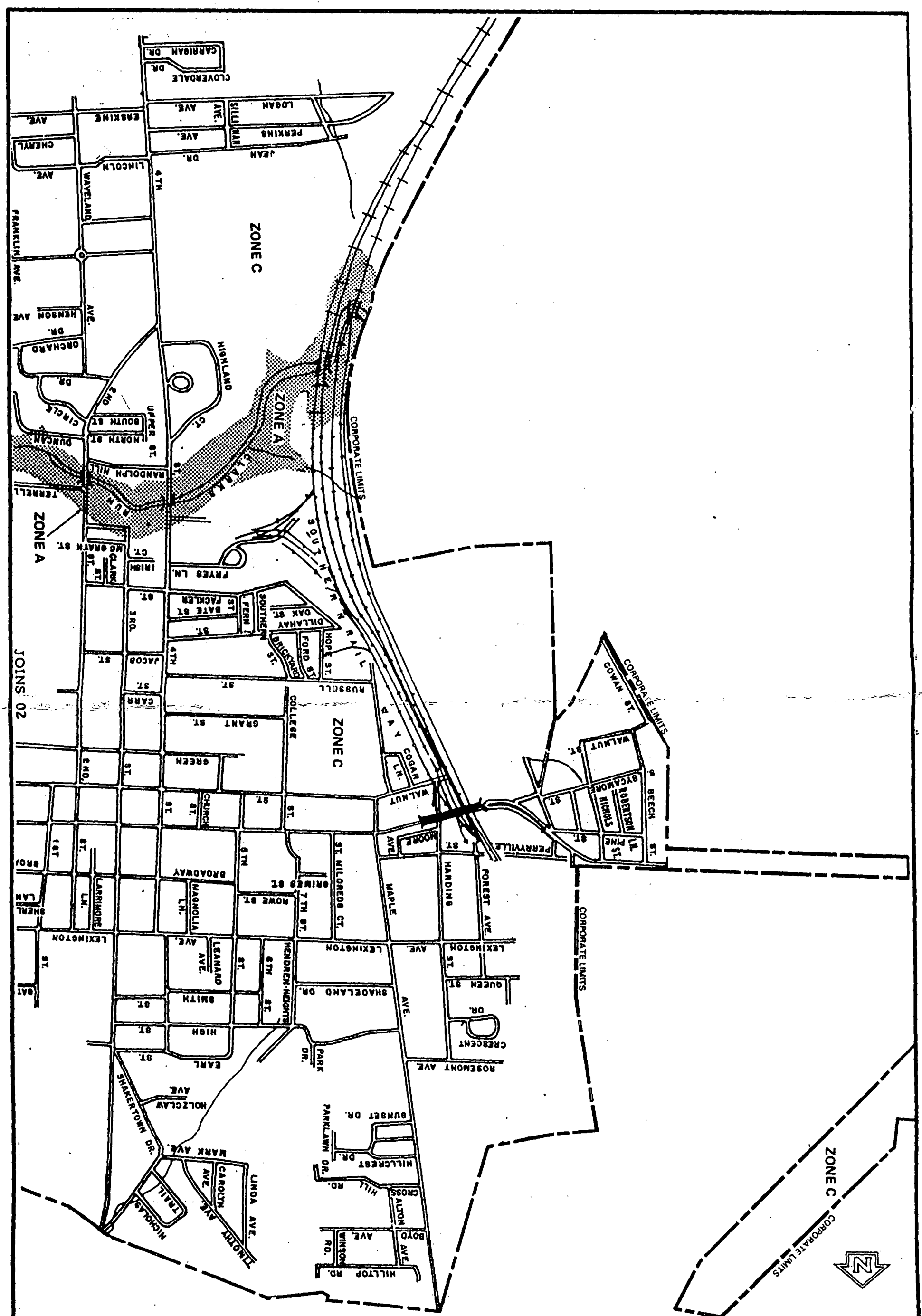
FLOOD INSURANCE RATE MAP EFFECTIVE: SEPTEMBER 27, 1985

FLOOD INSURANCE RATE MAP REVISIONS:

FEDERAL EMERGENCY MANAGEMENT AGENCY

FIRM

FLOOD INSURANCE RATE MAP 01
MAP INDEX
CITY OF DANVILLE, KY
BOYLE COUNTY
COMMUNITY NUMBER 210019 B



MAP 02

FEDERAL EMERGENCY MANAGEMENT AGENCY

CITY OF DANVILLE, KY

BOYLE COUNTY

APPROXIMATE SCALE

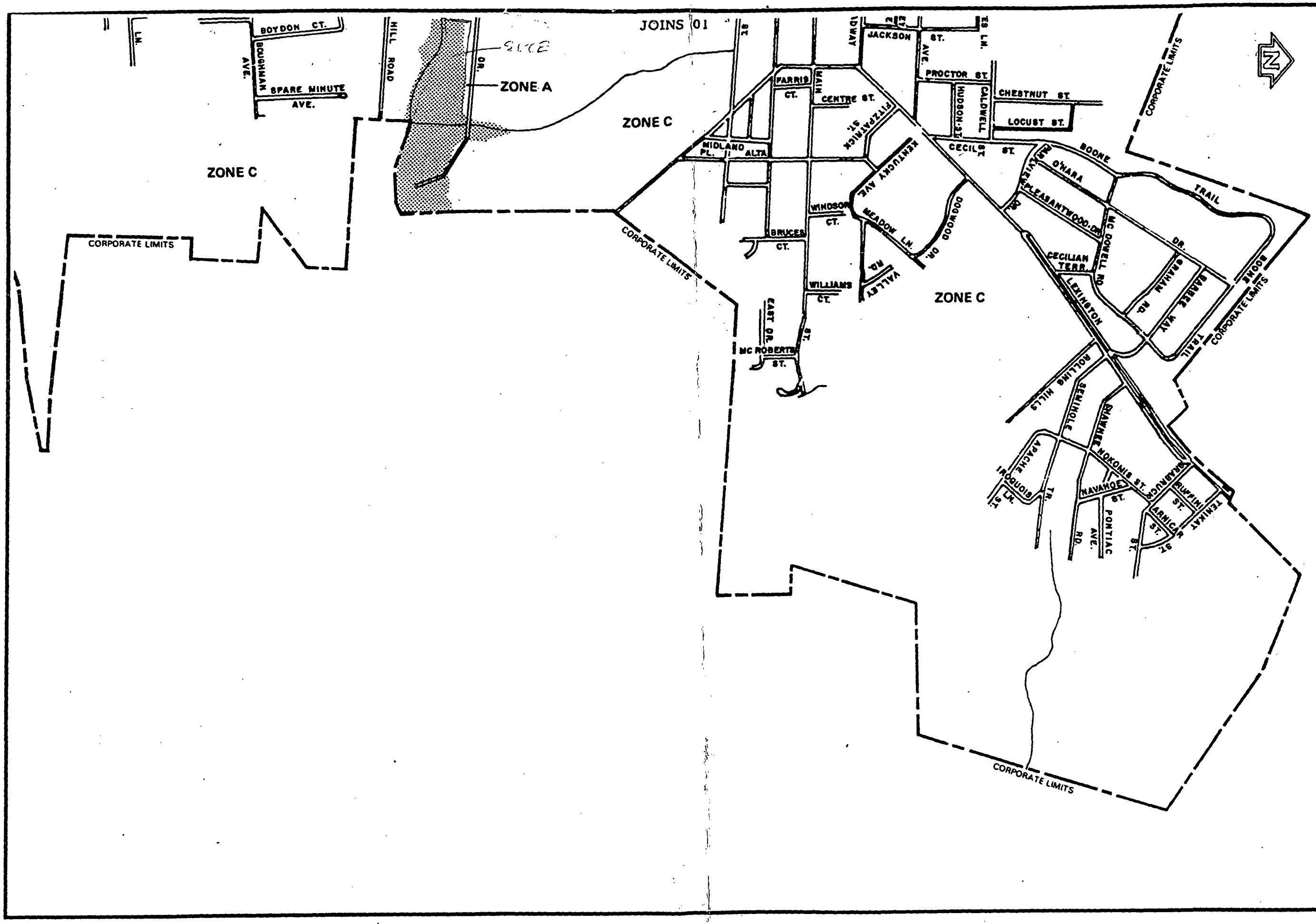
1000 0 1000 2000 3000 FEET

FLOOD INSURANCE RATE MAP

COMMUNITY NUMBER 210019

EFFECTIVE DATE:

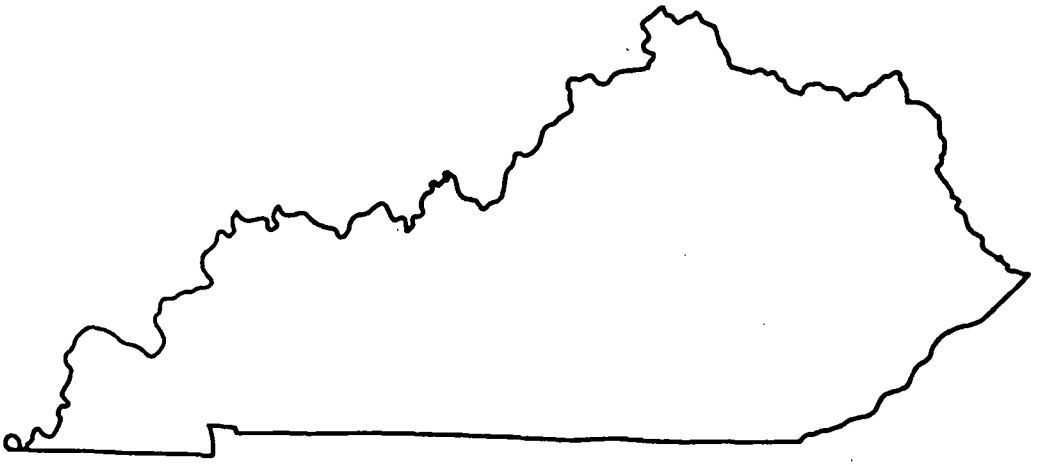
SEPTEMBER 27, 1985


JOINS 01
ZONE A
ZONE C
ZONE C
ZONE C
CORPORATE LIMITS
CORPORATE LIMITS
CORPORATE LIMITS
CORPORATE LIMITS
CORPORATE LIMITS
BOYDON CT.
BOSHMAN AVE.
SPARE MINUTE AVE.
HILL ROAD
DR.
LN.
JACKSON ST.
PROCTOR ST.
CHESTNUT ST.
LOCUST ST.
CECIL ST.
FARRIS CT.
CENTRE ST.
MIDLAND PL.
ALTA
KENTUCKY AVE.
WINDSOR CT.
BRUCES CT.
WILLIAMS CT.
MEADOW LN.
DOGWOOD DR.
VALLEY RD.
MC ROBERTS ST.
EAST DR.
O'HARA
PLEASANTWOOD DR.
MC DOWELL RD.
CECILIAN TERR.
LEXINGTON
BOONE TRAIL
BARBER WAY
GRAHAM RD.
ROLLING HILLS
SEMINOLE
SHAWNEE
NOKOMIS ST.
NAVAHOE ST.
APACHE TR.
SIONOSE ST.
PONTIAC AVE.
ARNICA ST.
TERMINAL ST.
RUFFIN ST.
SEAMUCK ST.
APPROXIMATE SCALE
1000 0 1000 2000 3000 FEET
EFFECTIVE DATE:
SEPTEMBER 27, 1985
FLOOD INSURANCE RATE MAP
FEDERAL EMERGENCY MANAGEMENT AGENCY
CITY OF DANVILLE, KY
BOYLE COUNTY
MAP 03

REFERENCE NO. 19

Water Resources Data
Kentucky
Water Year 1990

by D.L. McClain, F.D. Byrd, and A.C. Brown



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT KY-90-1
Prepared in cooperation with the Commonwealth of Kentucky
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, Jr., Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information write to
District Chief, Water Resources Division
U.S. Geological Survey
2301 Bradley Avenue
Louisville, Kentucky 40217

1991

KENTUCKY RIVER BASIN

03285000 DIX RIVER NEAR DANVILLE, KY

LOCATION.--Lat 37°38'31", long 84°39'39", Garrard County, Hydrologic Unit 05100205, on right bank 50 ft downstream from bridge on State Highway 52, 1.4 mi downstream from Hanging Fork, 6 mi east of Danville, and at mile 34.6.

DRAINAGE AREA.--318 mi^2.

PERIOD OF RECORD.--May to August 1905 (gage heights only), October 1942 to current year. Published as "Dicks River," 1905.

REVISED RECORDS.--WSP 1555: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 16, 1942, nonrecording gage at same site and datum. May to August 1905, nonrecording gage at site 6 mi downstream at different datum. Auxiliary nonrecording gage at site 2 mi downstream from base gage read during periods of possible backwater.

REMARKS.--Estimated daily discharges: Dec. 18-26. Records good except for period of estimated record, which is fair.

AVERAGE DISCHARGE.--48 years, 464 ft^3/s, 19.81 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft^3/s, Dec. 9, 1978, gage height, 21.81; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 17	1300	9,480	9.63	Feb. 3	1900	9,020	9.44
Dec. 31	1500	8,930	9.40	Feb. 10	0900	*13,300	*11.01
Jan. 29	1900	10,800	10.16	May 28	1500	8,780	9.34

Minimum daily discharge, 0.97 ft^3/s, July 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	492	118	239	3900	889	192	496	383	410	7.9	2.8	116
2	959	125	215	1190	759	181	378	1020	311	6.5	2.4	87
3	522	112	193	807	4180	242	299	437	1690	5.2	2.1	45
4	352	96	168	866	6600	294	254	322	947	3.7	2.0	32
5	259	85	157	1060	2150	221	225	415	459	3.1	2.0	23
6	203	79	157	737	1160	192	213	316	318	2.5	2.0	18
7	168	88	142	567	858	175	347	259	313	2.0	7.6	17
8	143	2400	131	474	678	162	286	214	354	1.6	32	21
9	124	2760	129	402	715	155	228	180	228	1.4	19	115
10	105	980	131	338	9320	153	210	167	168	1.2	14	200
11	93	596	127	290	3520	372	446	144	132	.97	182	74
12	86	430	133	258	2570	290	371	119	105	6.9	74	47
13	75	332	135	217	1910	216	272	106	83	109	39	35
14	61	273	121	193	1250	188	245	109	74	104	24	32
15	53	260	115	188	757	172	643	91	102	198	17	43
16	49	1700	88	177	2490	191	490	333	138	113	14	66
17	6050	1210	98	171	1680	580	362	1270	87	55	10	38
18	5290	744	95	459	925	721	321	943	60	34	8.2	26
19	1850	518	90	526	692	437	266	398	47	24	6.3	70
20	1270	418	87	1630	517	439	233	268	38	18	5.6	208
21	813	350	85	2720	417	374	216	239	31	14	6.1	103
22	559	296	83	1170	368	323	216	398	27	13	507	75
23	416	301	80	768	344	275	196	342	25	12	444	82
24	333	267	78	587	299	244	171	234	21	9.9	162	59
25	271	223	77	499	258	262	151	178	20	8.8	78	50
26	227	207	76	498	213	250	132	211	20	7.7	47	39
27	196	202	73	397	198	219	114	759	19	6.8	32	28
28	172	265	69	340	203	196	101	5530	16	6.3	23	21
29	152	343	82	5510	---	181	97	2300	12	5.9	447	16
30	135	274	1050	4380	---	201	101	1070	9.7	4.3	570	12
31	122	---	6050	1370	---	703	---	610	---	3.3	224	---
TOTAL	21600	16052	10554	32689	45920	8801	8080	19365	6264.7	789.97	3006.1	1778
MEAN	697	535	340	1054	1640	284	269	625	209	25.5	97.0	59.3
MAX	6050	2760	6050	5510	9320	721	643	5530	1690	198	570	208
MIN	49	79	69	171	198	153	97	91	9.7	.97	2.0	12
CFSM	2.19	1.68	1.07	3.32	5.16	.89	.85	1.96	.66	.08	.30	.19
IN.	2.53	1.88	1.23	3.82	5.37	1.03	.95	2.27	.73	.09	.35	.21

CAL YR 1989 TOTAL 313630.1 MEAN 859 MAX 14700 MIN 6.6 CFSM 2.70 IN. 36.69
WTR YR 1990 TOTAL 174899.77 MEAN 479 MAX 9320 MIN .97 CFSM 1.51 IN. 20.46

MISCELLANEOUS TEMPERATURE MEASUREMENTS AND FIELD DETERMINATIONS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

KENTUCKY RIVER BASIN--Continued

03283500 RED RIVER AT CLAY CITY, KY (LAT 37 51 53N LONG 083 56 01W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)
OCT 1989					MAY 1990				
23...	1230	660	125	10.5	29...	1335	4230	258	17.5
DEC					JUL				
06...	1120	229	170	4.0	12...	2230	--	135	--
JAN 1990					30...	1115	45	260	18.0
23...	1325	1060	125	6.5	SEP				
FEB					27...	1050	47	300	20.5
22...	1130	544	150	6.5					

03285000 DIX RIVER NEAR DANVILLE, KY (LAT 37 38 31N LONG 084 39 39W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)
OCT 1989					MAY 1990				
06...	1410	208	294	17.0	09...	1210	174	329	17.5
NOV					JUN				
13...	1610	298	248	12.0	11...	1125	141	336	23.0
DEC					JUL				
27...	1150	74	229	0.0	23...	1630	12	310	26.0
FEB 1990					SEP				
05...	1425	2020	162	8.5	06...	1400	18	361	26.5
MAR									
21...	1030	365	186	7.0					

03287000 KENTUCKY RIVER AT LOCK 6 NEAR SALVISA, KY (LAT 37 55 32N LONG 084 49 17W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)
OCT 1989					MAR 1990				
12...	1120	2360	203	16.5	20...	1410	18400	230	12.5
NOV					MAY				
15...	0850	5090	229	12.5	08...	0855	12100	314	16.5
DEC					JUN				
29...	0855	1700	164	1.0	15...	0700	15000	256	19.5
FEB 1990					SEP				
08...	0835	18800	134	8.0	06...	1005	579	306	23.0

03288000 NORTH ELKHORN CREEK NEAR GEORGETOWN, KY (LAT 38 12 20N LONG 084 30 49W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)
OCT 1989					JUN 1990				
05...	1005	21	372	14.0	13...	1545	102	394	22.5
NOV					22...	0940	44	395	23.0
14...	1005	51	332	11.5	27...	1155	24	398	24.0
DEC					JUL				
28...	0815	23	282	0.5	05...	1145	6.8	423	24.5
JAN 1990					25...	1130	37	456	23.0
04...	1245	300	431	8.0	AUG				
FEB					22...	1320	18	--	--
06...	0810	337	269	6.5	29...	1130	--	--	--
MAR					SEP				
19...	1420	50	298	12.5	04...	1045	28	393	23.0

03289000 SOUTH ELKHORN CREEK AT FORT SPRING, KY (LAT 38 02 35N LONG 084 37 35W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)
OCT 1989					MAY 1990				
11...	1230	6.2	423	12.0	09...	0755	29	489	16.5
NOV					JUN				
13...	1115	16	368	11.5	12...	1125	25	455	17.5
DEC					JUL				
26...	1500	8.4	298	-0.5	24...	1605	20	506	21.5
FEB 1990					SEP				
05...	0930	96	282	8.0	05...	0900	11	502	20.0
MAR									
19...	1115	18	346	8.5					

DISCONTINUED GAGING-STATION RECORDS

STATION NUMBER	STATION NAME AND LOCATION	DRAINAGE AREA	LATI-TUDE	LONGI-TUDE	SW BEGIN YEAR	SW END YEAR	PEAK STAGE	COM-PLETE STAGE	PEAK FLOW	LOW FLOW	MISC FLOW MEAS
03251008	WELLS CR TRIB NR WASHINGTON, KY	.96	383526	0834924	1977	1986	E		E		
03251400	N FK LICKING R NR MILFORD, KY	286.00	383500	0840920	1954	1972			E	E	
03251015	LEES CREEK TRIB AT MAYS LICK, KY	.45	383128	0835004	1975	1986	E		E		
03251665	STONER CR NR N MIDDLETOWN, KY	51.60	380651	0840817	1974	1981				E	
03251790	STRODES CR NR N MIDDLETOWN, KY	53.60	380635	0841041	1973	1981				E	
03252188	GRASSY LICK CR NR SHARPSBURG, KY	40.60	380857	0835901	1973	1974				E	
03252190	HINKSTON CR NR SHARPSBURG, KY	78.90	381003	0835832	1973	1977				E	
03252300	HINKSTON CR NR CARLISLE, KY	154.00	381433	0840309	1968	1976				E	
03252770	RAVEN CR NR BERRY, KY	46.60	383050	0842417	1973	1981				E	
03252940	FK LICK CR AT MORGAN, KY	50.20	383627	0842431	1973	1981				E	
03254680	BANKLICK CR NR S FT MITCHELL, KY	54.60	390145	0843158	1974	1981				E	
03253000	SF LICKING R AT HAYES, KY	920.00	383930	0842110	1915	1931		E			
03254000	LICKING R AT BUTLER, KY	3385.00	384722	0842105	1938	1942	E		E		C
03254400	N FK GRASSY CR NR PINER, KY	13.60	384731	0843050	1967	1983		E			
03254460	GRASSY CR AT DEMOSSVILLE, KY	119.00	384736	0842548	1950	1972				E	
03254500	LICKING R AT MORNING VIEW, KY	3539.00	384945	0842715	1914	1916		E			
03255000	OHIO R AT CINCINNATI, OH	76580.00	390540	0843038	1936	1976	E	E	E		
03260010	PLEASANT RUN CR AT CRESENT SPRINGS, KY	.68	390318	0843359	1973	1986	E		E		
03277100	GUNPOWDER CR NR UNION, KY	50.20	385638	0844651	1975	1981				E	
03277185	CRAIGS CR TRIB NR WARSAW, KY	.68	384426	0845608	1976	1986					
03277210	OHIO R AT MARKLAND D NR WARSAW, KY	83170.00	384631	0845819	1915	1965					
03277290	BOTTOM FORK NR MAYKING, KY	[3.03	370824	0824531	1976	1987	E		E		
03277300	N FK KENTUCKY R AT WHITESBURG, KY	66.40	370703	0824929	1953	1975		E	E		
03277340	N FK KENTUCKY R AT BLACKEY, KY	131.00	370743	0825827	1965	1965				E	
					1972	1981					
03277360	ROCKHOUSE CR NR FLETCHER, KY	51.60	370910	0825628	1958	1967				E	
03277370	LINE FK AT DEFEATED CR, KY	40.80	370610	0825820	1958	1976				E	
03277400	LEATHERWOOD CR AT DAISY, KY	40.90	370648	0830533	1965	1974*	E	E	E		
03277411	N FK KENTUCKY R AT CORNETTSVILLE, KY	322.00	370743	0830511	1958	1972				E	
03277437	BREEDING CR NR ISOM, KY	0.69	381234	0825542	1977	1985	E		E		
03277630	BRIAR FK NR HAZARD, KY	1.32	371520	0831726	1976	1985	E		E		
03277835	TROUBLESOME CR AT DRAWF, KY	59.90	372030	0830707	1958	1967				E	
03277915	BALLS FK AT ARY, KY	45.40	372235	0830850	1959	1975				E	
03278000	BEAR BR NR NOBLE, KY	2.21	372702	0831143	1955	1973*	E	E	E		
03278500	TROUBLESOME CR AT NOBLE, KY	177.00	372636	0831306	1950	1981		E			
03279000	TROUBLESOME CR NR CLAYHOLE, KY	187.00	372755	0831605	1928	1931		E			
03279400	QUICKSAND CR AT LUNAH, KY	101.00	373331	0831104	1958	1972				E	
03279500	QUICKSAND CR NR JACKSON, KY	153.00	373354	0831330	1928	1931		E			
03280500	N FK KENTUCKY R NR AIRDALE, KY	1294.00	373625	0833750	1928	1942		E			
03280551	MIDDLE FK KENTUCKY R AT ASHER, KY	70.60	370310	0832400	1958	1976				E	
03280570	GREASY CR AT NAPIER, KY	37.70	365919	0831719	1975	1981				E	
03280590	GREASY CR AT HOSKINSTON, KY	95.00	370429	0832310	1958	1967				E	
03280728	BULL CR NR HYDEN, KY	1.84	371030	0832616	1976	1986	E		E		
03280900	MIDDLE FK KENTUCKY R AT BUCKHORN, KY	420.00	372045	0832807	1957	1975*	E	E	E		
03280935	STAMPER FORK AT CANOE, KY	[1.57	372624	0832617	1975	1987	E		E		
03281018	RED BIRD R NR SPRING CR, KY	52.70	370231	0833249	1976	1981				E	
03281030	RED BIRD R AT BIG CR, KY	125.00	370924	0833522	1954	1972			E	E	
03281065	GOOSE CR AT GOOSEROCK, KY	49.60	370450	0834133	1976	1981				E	
03281080	COLLINS FK AT BLUEHOLE, KY	67.40	370613	0834519	1958	1976				E	
03281090	PACES CR NR GARRARD, KY	.47	370817	0834201	1976	1985	E		E		
03281200	S FK KENTUCKY R AT ONEIDA, KY	486.00	371623	0833856	1958	1982	E		E		
03281350	SEXTON CR AT TAFT, KY	71.00	372113	0834135	1959	1964				E	
					1967	1967					
					1975	1977					
					1979	1981					
03282045	STURGEON CR NR HEIDELBERG, KY	96.40	373142	0834736	1942	1972				E	
03282075	BIG SINKING CR NR CRYSTAL, KY	23.4	373822	0834705	1987	1989		E			
03282100	FURNACE FK NR CRYSTAL, KY	9.94	374121	0835127	1987	1989		E			
03282135	S FK STATION CAMP CR NR DRIP ROCK, KY	41.40	373340	0835801	1959	1976				E	
03282170	STATION CAMP CR AT WAGERSVILLE, KY	115.00	373715	0835734	1954	1972				E	
03282190	REDLICK CR NR STATION CAMP, KY	69.50	373340	0835801	1959	1976				E	
03282198	CLEAR CR TRIB NR WEST IRVINE, KY	.59	374219	0840126	1975	1986	E		E		
03283000	STILLWATER CR AT STILLWATER, KY	24.00	374524	0832912	1954	1973*	E	E	E		
03283100	RED R NR PINE RIDGE, KY	142.00	374911	0833429	1969	1976					
03283305	M FK RED RIVER AT ZACHARIAH, KY	.58	374235	0834012	1975	1986	E		E		
03283370	CAT CR NR STANTON, KY	8.30	374955	0834841	1987	1989		E			
03283610	LULBEGRUD CK TRIB AT WESTBEND, KY	.33	375456	0835830	1975	1986					
03283630	LULBEGRUD CR AT LOG LICK, KY	49.30	375138	0840124	1973	1981				E	
03283830	MUDDY CR AT DOYLESVILLE, KY	63.80	375048	0840945	1973	1977				E	
					1979	1981					
03283995	OTTER CR NR FORD, KY	63.50	375215	0851645	1973	1977				E	
03284100	BOONE CR AT GRIMES MILL RD NR LOCUST GROVE	41.80	375503	0842028	1967	1974				E	
03284300	SILVER CR NR KINGSTON, KY	28.60	373751	0841648	1967	1983		E			
03284310	SILVER CR NR BEREA, KY	53.40	373851	0841855	1975	1983	E		E	E	
03284340	OLD TOWN BR TR NR RICHMOND, KY	1.83	374223	0841908	1976	1985	E		E		
03284350	SILVER CR NR RICHMOND, KY	98.50	374236	0842348	1972	1977				E	
					1979	1981					
03284415	PAINT LICK CR AT PAINT LICK, KY	54.40	373753	0842443	1973	1974				E	
03284450	PAINT LICK CR NR MCCREARY, KY	97.60	374229	0842852	1954	1974				E	
03284495	SUGAR CR NR BUCKEYE, KY	41.50	374356	0843326	1975	1977				E	
03284500	KENTUCKY R AT LOCK 8 NR CAMP NELSON, KY	4414.00	374443	0843512	1910	1971	E	E	E		
03284550	W HICKMAN CR AT JONESTOWN, KY	[11.00	375830	0842954	1975	1984		E			
03284600	KENTUCKY R AT CAMP NELSON, KY	4528.00	374610	0843703	1940	1971		E	E		
03284720	DIX R AB COPPER CR NR CRAB ORCHARD, KY	44.40	372639	0842742	1973	1976				E	
03284750	DIX R BL COPPER CR NR CRAB ORCHARD, KY	70.60	372727	0842841	1973	1976				E	
03284800	DIX R NR STANFORD, KY	160.00	373318	0843610	1973	1976				E	
03284935	HANGING FK CR NR STANFORD, KY	46.90	373244	0844342	1973	1974				E	
03284995	HANGING FK CR NR HUBBLE, KY	81.10	373724	0844049	1973	1974				E	

STATION NUMBER	STATION NAME AND LOCATION	DRAINAGE AREA	LATI-TUDE	LONGI-TUDE	SW BEGIN YEAR	SW END YEAR	PEAK STAGE	COM-PLETE STAGE	PEAK FLOW	LOW FLOW	MISC FLOW MEAS
03285100	BALLS BR TRIB NR DANVILLE, KY	.13	373714	0844501	1976	1986	E		E		
03285500	DIX R NR BURGIN, KY	395.00	374510	0844210	1909	1922		E			
03285500	KENTUCKY R AT L7 AT HIGHBRIDGE, KY	5036.00	374945	0844326	1901	1927		E			
03287130	CLEAR CR NR MORTONSVILLE, KY	61.60	375637	0844553	1973	1977				E	
03287160	GILBERT CR TR NR SALVISA, KY	.81	375840	0845207	1975	1978			E		
03287534	SOUTH BENSON CK NR FRANKFORT, KY	4.47	380730	0845832	1976	1986	E		E		
03287550	BENSON CR NR FRANKFORT, KY	107.00	381211	0845256	1943	1972				E	
03288260	CANE RUN NR GEORGETOWN, KY	45.40	381235	0843639	1973	1974				E	
03288450	N ELKHORN CR AT SWITZER, KY	265.00	381512	0844509	1972	1977				E	
03288500	CAVE CR NR FORT SPRING, KY	2.53	380115	0843538	1953	1972*	E	E	E	E	
03289190	WOLF RUN AT CAMBRIDGE DR AT LEXINGTON, KY	[5.30	380311	0843304	1976	1988	E		E		
03289410	S ELKHORN CR NR WOODLAKE, KY	156.00	381107	0844416	1972	1981				E	
03290000	FLAT CR NR FRANKFORT, KY	5.63	381753	0845632	1952	1971*	C	E	C		
03290420	SIX MILE NR DEFOE, KY	42.60	382239	0850034	1973	1974				E	
03290490	SIX MILE CK NR LOCKPORT, KY	76.50	382551	0850020	1973	1974				E	
03290580	TOWN CREEK AT NEW CASTLE, KY	5.62	382523	0851017	1976	1986	E		E		
03290675	DRENNON CK AT DRENNON SP, KY	82.50	383047	0850252	1973	1974				E	
03291000	EAGLE CR AT SADIEVILLE, KY	42.90	382322	0843236	1941	1974	E	E	E	E	
03291050	S RAYS FK TRIB NR CORINTH, KY	0.58	382713	0843421	1976	1986	E		E		
03291110	EAGLE CR NR NEW COLUMBUS, KY	124.00	382646	0843948	1972	1974				E	
03291270	EAGLE CR NR HOLBROOK, KY	258.00	383811	0844221	1954	1954				E	
					1957	1957					
					1962	1962					
					1972	1981					
03291490	TEN MILE CR NR FOLSOM, KY	68.40	384253	0844458	1973	1976				E	
03291700	LITTLE KY R NR BEDFORD, KY	73.20	383328	0851634	1950	1972				E	
03292100	CORN CR NR BEDFORD, KY	27.50	383630	0852521	1975	1981				E	
03292200	JEFF BR NR SLIGO, KY	.87	383111	0851105	1976	1986	E		E		
03292467	HARRODS CR NR SKYLIGHT, KY	60.30	382315	0853127	1972	1974				E	
03292472	SOUTH FORK HARRODS CR NR CRESTWOOD, KY	[.97	382043	0852929	1975	1988	E		E		
03295000	SALT R NR HARRODSBURG, KY	41.40	374526	0845223	1953	1973*	E	E	E		
03295290	SALT R AT FOX CR, KY	131.00	375952	0845735	1972	1976					
03295500	SALT R NR VAN BUREN, KY	196.00	375806	0850803	1938	1982		E			
03295580	BEECH CR NR TAYOLORSVILLE, KY	53.20	380108	0851722	1974	1976				E	
03295610	SALT R AT TAYLORSVILLE, KY	359.00	380144	0852038	1937	1975				E	
					1972	1976					
03295705	BULLSKIN CR AT FINCHVILLE, KY		381000	0851800	1974	1975		E		E	
03295800	BRASHEARS CR NR FINCHVILLE, KY	147.00	380820	0851748	1953	1972				E	
03295845	BRADSHAW CK NR SHELBYVILLE, KY	1.36	381055	0851105	1976	1986	E		E		
03295985	SIMPSON CR NR TAYLORSVILLE, KY	57.30	375934	0852320	1974	1976			E		
03296000	PLUM CR SUBWATER SHED NO.4 NR SIMPSONVILLE	1.55	381027	0852205	1955	1964*		E			
03296500	PLUM CR NR WILSONVILLE, KY	19.10	380620	0852614	1954	1961*	E	E	E	E	
03296700	PLUM CR SWS N 15 NR WILSONVILLE, KY	1.03	380544	0852441	1957	1961*		E			
03296800	PLUM CR SWS N 17 NR WATERFORD, KY	.52	380407	0852448	1957	1961*		E			
03297000	LITTLE PLUM CR NR WATERFORD, KY	5.15	380344	0852545	1954	1961*	E	E	E		
03297500	PLUM CR AT WATERFORD, KY	31.80	380305	0852555	1954	1974*	E		E		
03297700	COX CR NR HIGHGROVE, KY	95.80	375824	0853233	1968	1972				E	
03297970	LONG RUN NR EASTWOOD, KY	15.20	381412	0852609	1974	1977*	E	E	E		
03298390	FLOYDS FK NR GAP IN KNOB, KY	259.00	380204	0853933	1972	1976				E	
03298535	ELM LICK CR NR CLERMONT, KY	.68	375530	0853741	1976	1986	E		E		
03298710	N ROLLING FK NR GRAVEL SWITCH, KY	66.20	373319	0850214	1974	1981				E	
03298760	N ROLLING FK AT BRADSFORDVILLE, KY	95.70	373022	0850834	1972	1977				E	
03298865	BIG S FK AT BRADSFORDVILLE, KY	59.60	372918	0850757	1974	1981				E	
03299445	POTTINGER CR NR NEW HOPE, KY	43.50	373835	0853157	1974	1978				E	
					1980	1981					
03300000	BEECH FK NR SPRINGFIELD, KY	85.90	374215	0850845	1953	1972	E	E	E		
03300065	NORTH FRONG NR WILLISBURG, KY	1.71	374754	0850832	1975	1989	E		E		
03300300	CHAPLIN R AT SHARPSVILLE, KY	140.00	375128	0850401	1954	1972				E	
03300390	CHAPLIN R NR CHAPLIN, KY	262.00	375214	0851351	1972	1977				E	
03300498	CARTWRIGHT CR AT FREDRICKTOWN, KY	82.30	374545	0851929	1972	1977				E	
03300500	BEECH FK AT FREDERICKTOWN, KY	542.00	374535	0852100	1929	1932		E			
03300780	HARDINS CR NR HOLY CROSS, KY	57.80	374241	0852313	1975	1978				E	
					1980	1981					
03300990	TOWN CR TRIB AT BARDSTOWN, KY	.32	374830	0852730	1975	1986					
03301000	BEECH FK AT BARDSTOWN, KY	669.00	374749	0852851	1939	1974	E	E	E		
03301940	NORTHERN DITCH AT OKOLONA, KY	11.10	380901	0854137	1974	1979		E			
03302085	OTTER CR TRIB NR VINE GROVE, KY	.90	374801	0860142	1975	1986					
03302100	OTTER CR AT GRAHAMTON, KY	88.40	375406	0860132	1953	1972				E	
03302150	DOE RUN NR BRANDENBURG STATION, KY	52.70	375728	0860718	1953	1972				E	
03303195	SINKING CR AT ROSETTA, KY	36.00	374747	0861625	1970	1976				E	
03303198	SINKING CR DENTS BR NR IRVINGTON, KY	66.10	374918	0861742	1970	1976				E	
03303200	SINKING CR NR IRVINGTON, KY	86.70	375018	0861926	1953	1972				E	
03303205	SINKING CR NR LODIBURG, KY	125.00	375206	0862316	1971	1977				E	
03303210	SINKING CR AT SAMPLE, KY	222.00	375342	0862905	1953	1970				E	
03303450	BLACKFORD CR NR MACEO, KY	111.00	375356	0865911	1953	1974				E	
03303500	OHIO R AT OWENSBORO, KY	97200.00	374642	0870632	1940	1954*	E	E	E		
03304500	MCGILLS CR NR MCKINNEY, KY	2.14	372638	0844152	1951	1971*	E		E		
03305000	GREEN R NR MCKINNEY, KY	22.40	372519	0844501	1951	1973*	E	E	E		
03305500	GREEN R NR MOUNT SALEM, KY	36.30	372440	0844511	1954	1961*	E	E	E		
03305520	GREEN R AT MIDDLEBURG KY	66.50	372106	0844909	1972	1974				E	
03305559	CARPENTER CR TRIB NR HUSTONVILLE, KY	.88	372621	0845041	1976	1986					
03305660	GREEN R NR DUNNVILLE, KY	221.00	371313	0845912	1972	1977				E	
03305720	S FK NR DUNNVILLE, KY	71.00	371249	0845814	1972	1978				E	
03305725	IRVIN BRANCH NR SALEM, KY	1.37	370423	0845758	1976	1986	E		E		
03305760	GOOSE CR AT DUNNVILLE, KY	51.60	371159	0850016	1972	1977				E	
03305800	GREEN R AT NEATSVILLE, KY	399.00	371130	0850744	1953	1973				E	

DISCONTINUED GAGING-STATION RECORDS

STATION NUMBER	STATION NAME AND LOCATION	DRAINAGE AREA	LATI-TUDE	LONGI-TUDE	SW BEGIN YEAR	SW END YEAR	PEAK STAGE	COM-PLETE STAGE	PEAK FLOW	LOW FLOW	MISC FLOW MEAS
03402500	CUMBERLAND R AT PINEVILLE, KY	676.00	364448	0834134	1928	1931		E			
03402850	LEFT FK STRAIGHT CR AT CARY, KY	33.70	364729	0833957	1958	1976				E	
03402852	STRAIGHT CR AT STRAIGHT CR, KY	89.80	364624	0834012	1953	1967				E	
03403180	STINKING CR AT DEWITT, KY	49.10	365235	0834417	1961	1975				E	
03403255	ROAD E CR AT DEWITT, KY	25.20	365238	0834417	1961	1975				E	
03403530	RICHLAND CR NR BARBOURVILLE, KY	27.70		0835420	1961	1976				E	
03403538	LITTLE RICHLAND CR NR HINKLE, KY	11.60	365549	0834954	1974	1983	E		E		
03403910	CLEAR FK AT SAXTON, KY	331.00	363802	0840642	1968	1983		E			
03404200	JELLICO CR NR WILLIAMSBURG, KY	103.00	364056	0841520	1953	1972				E	
03404390	MARSH CR NR WHITELY CITY, KY	72.00	364438	0842216	1960	1961				E	
					1974	1981					
03404688	LAUREL R NR LILY, KY	52.30	370230	0840254	1974	1981				E	
03404810	LITTLE LAUREL R NR LILY, KY	42.40	370103	0840641	1975	1981				E	
03404867	GOZEY HOLLOW NR CORBIN, KY	.31	365641	0835942	1976	1985	E		E		
03405000	LAUREL R AT CORBIN, KY	201.00	365809	0840738	1910	1973	E	E	E		
03405500	LAUREL R NR VOX, KY	245.00	365705	0841330	1929	1931		E			
03405700	S FK ROCKCASTLE R NR PEOPLES, KY	95.10	371605	0840302	1961	1972				E	
03405818	MIDDLE FK ROCKCASTLE R NR PARROT, KY	79.00	372036	0840446	1975	1981				E	
03405842	HORSE LICK CR NR LAMERO, KY	61.70	371912	0840818	1975	1981				E	
03405854	BIG HURRICANE BR AT CONWAY, KY	1.91	372751	0842008	1976	1985	E		E		
03405868	ROUNDSTONE CR AT HOMMEL, KY	52.90	372318	0841739	1975	1981				E	
03405900	ROUNDSTONE CR AT LIVINGSTON, KY	144.00	371755	0841250	1953	1976					
03406000	WOOD CR NR LONDON, KY	3.89	370840	0840643	1954	1971*	C	E	C	E	
03406330	SKEGG CR NR BILLOWS, KY	55.90	371348	0841637	1975	1981				E	
03407000	ROCKCASTLE R AT ROCKCASTLE SPRINGS, KY	745.00	370035	0841855	1921	1931	E	E	E		
03407100	CANE BR NR PARKERS LAKE, KY	.67	365205	0842657	1956	1987	E	E	E		
03407200	WFK CANE BR NR PARKERS LAKE, KY	0.26	365149	0842708	1956	1986	E		E		
03407300	HELTON BR AT GREENWOOD, KY	.85	365307	0842855	1956	1974	E	E	E		
03407425	BUCK CR NR WOODSTOCK, KY	73.00	371634	0843426	1975	1981				E	
03407640	BUCK CR AT DYKES, KY	253.00	370336	0842535	1972	1981				E	
03410590	ROCK CR NR YAMACRAW, KY	58.90	364210	0843346	1965	1965				E	
					1975	1981					
03410825	LITTLE S FK CUMBERLAND R NR GRIFFIN, KY	56.40	364054	0844338	1975	1981				E	
03410800	LITTLE S FK CUMBERLAND R NR OIL VALLEY, KY	98.20	364530	0844020	1953	1972				E	
03411000	S FK CUMBERLAND R AT NEVELSVILLE, KY	1271.00	365025	0843500	1915	1950	E	E	E		
03411500	CUMBERLAND R AT BURNSIDE, KY	4865.00	365921	0843635	1825	1950	E	E	E		
03411700	LAKE CUMBERLAND AT BURNSIDE, KY	4869.00	365928	0843710	1951	1970					
03412000	PITMAN CR NR SOMERSET, KY	26.30	370805	0843515	1949	1953		E			
03412500	PITMAN CR AT SOMERSET, KY	31.30	370701	0843531	1953	1972*	E	E	E		
03412700	FISHING CR NR HOGUE, KY	59.80	370950	0844232	1968	1977				E	
03413000	CUMBERLAND R NR JAMESTOWN, KY	5331.00	365600	0850000	1937	1940		E			
03413200	BEAVER CR NR MONTICELLO, KY	43.40	364751	0845346	1968	1983		E			
03413202	ELK SPRING CR NEAR SPANN, KY	[.57	365053	0854724	1976	1987	E		E		
03413345	OTTER CR NR SUSIE, KY	67.10	364619	0845848	1953	1966				E	
03413425	WILLIAMS CR TRIB NR CARTWRIGHT, KY	0.76	364458	0850444	1976	1986	E		E		
03414080	CROCUS CR NR BAKERTON, KY	108.00	365232	0852039	1972	1976				E	
03414102	BEAR CR NEAR BURKESVILLE, KY	[352.00	364614	0851630	1976	1987	E		E		
03414175	MARROWBONE CR AT GRIDER, KY	80.70	364815	0852547	1975	1981				E	
03435100	RED R NR ADAIRVILLE, KY	229.00	364204	0865142	1957	1972				E	
03437380	ELBOW CR TRIB NR CANTON, KY	.83	364732	0880023	1975	1986	E		E		
03437390	LICK CREEK NR CANTON, KY	.39	365130	0872541	1977	1986	E		E		
03437500	S FK LITTLE R AT HOPKINSVILLE, KY	46.50	365022	0872852	1950	1973*	E	E	E		
03437610	WHITE CR TR NR HOPKINSVILLE, KY	.19	365407	0872815	1975	1976		E			
03438070	MUDDY R NR DERULEAN, KY	30.50	365840	0874236	1968	1983		E			
03438167	DRY CR NR LAMASCO, KY	34.60	370137	0875548	1968	1972			E	E	
03438170	EDDY CR NR LAMASCO, KY	71.70	370159	0875626	1968	1974				E	
03438191	KENTUCKY-BARKLEY CANAL NR GRAND RS, KY		365939	0881236	1971	1974		E			
03438200	CUMBERLAND R AT EUREKA, KY	17594.00	370037	0881256	1939	1964		E			
03438470	LIVINGSTON CR NR DYCUSBURG, KY	112.00	370835	0880948	1954	1974				E	
03608000	TENNESSEE R AT SHANNON DAM SITE NR MURRAY	39780.00	363228	0880211	1931	1937		E			
03608500	TENNESSEE R AT AURORA LANDING, KY	40010.00	364507	0880658	1930	1932		E			
03609500	TENNESSEE R NR PADUCAH, KY	[40200.00	370111	0881650	1941	1984	E		E		
03610000	CLARKS R AT MURRAY, KY	89.70	363534	0881800	1952	1971*	E	E	E		
03610500	CLARKS R NR BENTON, KY	227.00	365224	0882048	1938	1973*	E	E	E		
03610503	CHESTNUT CR NR BENTON, KY	.82	365438	0882024	1975	1986	E		E		
03610820	CLARKS R TRIB NR REIDLAND, KY	.13	365937	0883113	1975	1986	E		E		
03611000	OHIO R AT PADUCAH, KY	202800.00	370522	0883540	1873	1975		C			
03613000	HUMPHREY CR AT LACENTER, KY	44.20	370439	0885721	1953	1972				E	
07022500	PERRY CR NR MAYFIELD, KY	1.72	364045	0883757	1953	1965*	C	E	C	E	
					1968	1972					
07022600	MAYFIELD CR AT MAYFIELD, KY	95.10	364454	0883706	1954	1972				E	
07023000	MAYFIELD CR AT LOVELACEVILLE, KY	204.00	365709	0884930	1938	1972*	E	E	E		
07023200	MISSISSIPPI R AT COLUMBUS, KY	921900.00	364558	0890648	1843	1958	E		E		
07023500	OBION CR AT PRYORSBURG, KY	36.30	364110	0884335	1951	1973	E	E	E		
07023700	OBION CR NR ARLINGTON, KY	203.00	364530	0890013	1953	1972				E	
07024070	MISSISSIPPI R AT HICKMAN, KY	922500.00	363422	0891156	1926	1958	E		E		

* Period of continuous-record only
C Currently operated.
E Eliminated

TELEPHONE CONTACT SUMMARY
DYNAMAC CORPORATION

Call made by:	Dawn Thompson	Signature/Date Dawn Thompson/9-9-93
On (Date):	September 9, 1993	Facility:Terrell Drive Dump
At (Time):	8:50 a.m.	CERCLIS or EPA ID No.:KYD980839849

Person(s) contacted:	Benjy Kinman
Title/Position:	Fishery Program Coordinator
Phone:	(502) 564-3400
Organization:	Department of Fish & Wildlife
Address (City/State):	

GENERAL SUBJECT

Recreational and commercial fishing on Clarks Run and Herrington Lake.

CONVERSATION SUMMARY

Mr. Kinman stated that he did not have a lot of information on Clarks Run but that there may be a little sport fishing on it. He said that there is a lot of sport fishing on Herrington Lake. Herrington Lake is open for commercial fishing with slat traps and hoop nets. He said that people are not actively doing commercial fishing on Herrington Lake anymore because access to the lake is difficult (very steep banks, etc.); however, there is an occasional commercial fisherperson. He will mail information regarding species in Herrington Lake and information on endangered species, if any.

REFERENCE NO. 21

ENDANGERED & THREATENED SPECIES

of the SOUTHEAST UNITED STATES

U.S. FISH & WILDLIFE SERVICE

"The Red Book"

REGION 4

ATLANTA

GEORGIA

9300991

ENDANGERED AND THREATENED SPECIES

OF THE

SOUTHEASTERN UNITED STATES

(THE RED BOOK)

Prepared by:

U.S. Fish and Wildlife Service
Southeast Region
Atlanta, Georgia

January 1992

Availability Unlimited
For Sale by Superintendent of Documents
Post Office Box 371954
Pittsburgh, PA 15250-7954

Stock Order Number: 924-003-00000-6

11/29/91

Federally Listed Species by State

KENTUCKY

(E = Endangered; T = Threatened; CH = Critical Habitat Determined)

Mammals	General Distribution
Bat, gray (*Myotis grisescens*) - E	Entire State
Bat Indiana (*Myotis sodalis*) - E, CH	Entire State
Bat, Virginia big-eared (*Plecotus townsendii virginianus*) - E	Eastern, primarily Lee County
Cougar, eastern (*Felis concolor couguar*) - E	Entire State
Birds	
Eagle, bald (*Haliaeetus leucocephalus*) - E	Entire State
Falcon, American peregrine (*Falco peregrinus anatum*) - E	North
Falcon, Arctic peregrine (*Falco peregrinus tundrius*) - T	Entire State
Tern, least (*Sterna antillarum*), interior population - E	Mississippi and Ohio Rivers
Warbler, Kirtland's (*Dendroica kirtlandii*) - E	East
Woodpecker, ivory-billed (*Campephilus principalis*) - E	West
Woodpecker, red-cockaded (*Picoides* [=*Dendrocopos*] *borealis*) - E	Southeast
Fishes	
Dace, blackside (*Phoxinus cumberlandensis*) - T	Upper Cumberland River System (Pulaski, Laurel, McCreary, Whitley, Knox Bell, Harlan, and Letcher Counties)
Sturgeon, Pallid (*Scaphirhynchus albus*) - E	Mississippi River

Mollusks	General Distribution
Mussel, Cracking Pearly-Mussel (Hemistena [= Lastena] lata) - E	Green River (Hart and Edmonson Counties)
Mussel, Cumberland bean pearly (Villosa [=Micromya] trabilis) - E	Roundstone Creek, Horselick Creek, Buck Creek, Little S. Fork Cumberland River; Rockcastle and Middle Fork Rockcastle Rivers
Mussel, Fanshell (Cyprogenia stegaria (= C. Irrorata]) - E	Green River (Hart and Edmonson Counties); Licking River (Kenton, Campbell, and Pendleton Counties)
Mussel, little-wing pearly (Pegias fabula) - E	Horse Lick Creek, Big S. Fork Cumberland River; Little S. Fork Cumberland River
Mussel, orange-footed pearly (Plethobasus cooperianus) - E	Ohio River
Mussel, pink mucket pearly (Lampsilis orbiculata) - E	Green, Ohio, and Tennessee Rivers
Mussel, purple cat's paw pearly (Epioblasma (= Dysnomia) obliquata obliquata [= E. sulcata sulcata]) - E	Green River (Warren and Butler Counties, Kentucky)
Mussel, ring pink (Obovaria retusa) - E	Tennessee River (Livingston, Marshall, and McCracken Counties); Green River (Hart and Edmonson Counties)
Mussel, rough pigtoe (Plethobasus cooperianus) - E	Green and Barren Rivers
Mussel, tan riffle shell (Epioblasma walkeri) - E	Historic; no recent KY Records

Mollusks	General Distribution
Mussel, tuberculed-blossom pearly (*Epioblasma* [=*Dysnomia*] *florentina florentina*) - E	Historic; possibly extinct
Mussel, yellow-blossom pearly (*Epioblasma* [=*Dysnomia*] *florentina florentina*) - E	Historic; possibly extinct
Arthropods	
Shrimp, Kentucky cave (*Palaemonias ganteri*) - E, CH	Mammoth Cave National Park, Edmonson County
Plants	
Arenaria cumberlandensis (Cumberland sandwort) - E	Cumberland plateau (McCreary County)
Conradina verticillata (Cumberland rosemary) - T	Big South Fork Cumberland River (McCreary County)
Spiraea Virginiana (Virginia Spiraea) - T	Rockcastle River, Pulaski County; Sinking Creek, Laurel County
Trifolium stoloniferum (Running buffalo clover) - E	Boone County

PROJECT NOTE

DATE: 28 November 1993

TO: Terrell Drive Dump file
EPA ID No. KYD980839849

FROM: Charlotte M. Boulind, Environmental Scientist, Dynamac Corporation

Charlotte M Boulind 28.11.93

SUBJECT: Reallocation of population derived from the Graphical Exposure Modeling System (GEMS) data base printout for the area within 4 miles of Terrell Drive Dump

The GEMS printout for the area within 4 miles of Terrell Drive Dump (the dump) Clinic provided the following estimate of the population distribution within the area:

Distance Ring	Population
0 - 0.25 mile	0
0.25 - 0.50 mile	0
0.50 - 1 mile	5,454
1 - 2 miles	8,416
2 - 3 miles	0
3 - 4 miles	4,480
TOTAL	18,350

Due to the limitations of the GEMS data base, the printout indicated that 0 persons reside within the 0 to 0.25 mile, 0.25 mile to 0.50 mile and 2 to 3 miles distance rings. Examination of the topographic maps of the area and other file material, however, indicate that residences are located within those distance rings. An estimate for the population of those distance rings is necessary to score the air migration pathway with some degree of accuracy. Therefore, the population reported for the 0.50 to 1 mile and 3 to 4 mile distance rings were reallocated to obtain an estimate of the population for the distance rings where no population was reported. The method used is as follows:

The relative area of the distance rings were determined first.

Distance Ring	Relative Total Radius (r)	Total Relative Area of Circle (A_n, proportional to r^2)	Relative Area Within the Ring
0 - 0.25 mile	1	1 (A_1)	1[a]
0.25 - 0.50 mile	2	4 (A_2)	3[b]
0.50 - 1 mile	4	16 (A_3)	12[c]
1 - 2 miles	16	256 (A_4)	192[d]
2 - 3 miles	32	1,024 (A_5)	768[e]
3 - 4 miles	64	4,096 (A_6)	3,072[f]

[a]Relative Area of ring 1 = A_1
[b]Relative Area of ring 2 = $A_2 - A_1$
[c]Relative Area of ring 3 = $A_3 - A_2$
[d]Relative Area of ring 4 = $A_4 - A_3$
[e]Relative Area of ring 5 = $A_5 - A_4$
[f]Relative Area of ring 6 = $A_6 - A_5$

The population for the 0.50 to 1 mile distance ring was reported on the GEMS printout as 5,454 people. A uniform distribution of the population was assumed for the entire area within the 1-mile radius.

Relative Area of Ring	Proportion of Total Area in 1-Mile Circle (P)	Estimated Population (5,454 x P)
1	0.0625	341
3	0.1875	1,022
12	0.7500	4,091
16	1.0000	5,454

The population for the 3 to 4 miles distance ring was reported on the GEMS printout as 4,480 people. A uniform distribution of the population was assumed for the entire area within the 4-mile radius.

Relative Area of Ring	Proportion of Total Area in 1-Mile Circle (P)	Estimated Population (4,480 x P)
768	0.2	896
3,072	0.8	3,584
3,804	1.0	4,480

Therefore, the corrected population distribution within 4 miles of the dump is:

Distance Ring		Population
0 - 0.25 mile		341
0.25 - 0.50 mile		1,022
0.50 - 1 mile		4,091
1 - 2 miles		8,416
2 - 3 miles		896
3 - 4 miles		3,584
	TOTAL	18,350

FISH & WILDLIFE COMMISSION
Mike Boatwright, Paducah
Sam C. Potter, Jr., Bowling Green
George H. Foster, Louisville
Dr. James R. Angel, Campbellsville
Dr. James R. Rich, Taylor Mill
Ben Frank Brown, Richmond
Paul Lyon, Salyersville
Dr. Roland L. Burns, Rush
David H.Godby, Somerset

REFERENCE NO. 23

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF FISH AND WILDLIFE RESOURCES
DON R. MCCORMICK, COMMISSIONER

September 9, 1993

Ms. Dawn Thompson
111 N. Canal Street, Suite 941
Chicago, IL 60606

Re: Endangered/threatened species information for Clark's Run, Boyle County, Kentucky.

Dear Ms. Thompson:

I have reviewed the above-referenced proposed project. Please find attached a computer printout(s) from the Kentucky Department of Fish and Wildlife Resource's (KDFWR) fish and wildlife information system listing the known animal species and their designations, if applicable. Be aware that our system is a dynamic one and that it only represents our current knowledge of the various species distributions.

Also, I have enclosed the information you discussed over the phone with Benjy Kinman. Questions concerning this information (i.e., creel) should be directed to Mr. Kinman.

Should you require any additional information or have any questions, feel free to contact me at (502) 564-5448.

Sincerely,

David E. McChesney

David E. McChesney
Wildlife Biologist
Environmental Section

Enclosures

xc: Environmental Section Files

List of Species:
Known to Reside, Breed, or Winter in BOYLE County

09 SEP 1993

ID....	NAME.....	SCI.NAME.....	FEDERAL END.	FEDERAL THREAT.	FEDERAL.. CANDIDATE	STATE END.	STATE.. THREAT.	SPECIAL CONCERN
010130	Stoneroller, central	Campostoma anomalum	-	-	-	-	-	-
010300	Chub, bigeye	Notropis amplops	-	-	-	-	-	-
010315	Shiner, emerald	Notropis atherinoides	-	-	-	-	-	-
010365	Shiner, silver	Notropis photogenis	-	-	-	-	-	-
010425	Dace, southern redbelly	Phoxinus erythrogaster	-	-	-	-	-	-
010430	Minnow, bluntnose	Pimephales notatus	-	-	-	-	-	-
010435	Minnow, fathead	Pimephales promelas	-	-	-	-	-	-
010480	Sucker, white	Catostomus commersoni	-	-	-	-	-	-
010500	Sucker, northern hog	Hypentelium nigricans	-	-	-	-	-	-
010550	Redhorse, golden	Moxostoma erythrurum	-	-	-	-	-	-
010595	Catfish, channel	Ictalurus punctatus	-	-	-	-	-	-
010615	Stonecat	Noturus flavus	-	-	-	-	-	-
010755	Studfish, northern	Fundulus catenatus	-	-	-	-	-	-
010770	Topminnow, blackstripe	Fundulus notatus	-	-	-	-	-	-
010785	Silverside, brook	Labidesthes sicculus	-	-	-	-	-	-
010805	Sculpin, banded	Cottus carolinae	-	-	-	-	-	-
010835	Bass, rock	Amploplites rupestris	-	-	-	-	-	-
010980	Darter, greenside	Etheostoma blenniodes	-	-	-	-	-	-
010985	Darter, rainbow	Etheostoma caeruleum	-	-	-	-	-	-
011245	Drum, freshwater	Aplodinotus grunniens	-	-	-	-	-	-
020005	Salamander, Jefferson	Ambystoma jeffersonianum	-	-	-	-	-	-
020010	Salamander, spotted	Ambystoma maculatum	-	-	-	-	-	-
020075	Salamander, two-lined	Eurycea bislineata	-	-	-	-	-	-
020100	Mudpuppy	Necturus maculosus	-	-	-	-	-	-
020115	Salamander, zigzag	Plethodon dorsalis	-	-	-	-	-	-
020125	Salamander, slimy	Plethodon glutinosus	-	-	-	-	-	-
020165	Toad, American	Bufo americanus	-	-	-	-	-	-
020195	Peeper, spring	Hyla crucifer	-	-	-	-	-	-
020210	Frog, mountain chorus	Pseudacris brachyphona	-	-	-	-	-	-
020235	Bullfrog	Rana catesbeiana	-	-	-	-	-	-
020240	Frog, green	Rana clamitans	-	-	-	-	-	-
020245	Frog, pickerel	Rana palustris	-	-	-	-	-	-
020260	Frog, wood	Rana sylvatica	-	-	-	-	-	-
030005	Turtle, snapping	Chelydra serpentina	-	-	-	-	-	-
030055	Turtle, eastern box	Terrapene carolina	-	-	-	-	-	-
030075	Skink, coal	Eumeces anthracinus	-	-	-	X	X	-
030076	Skink, northern coal	Eumeces anthracinus anthracinus	-	-	-	-	X	-
030100	Lizard, eastern fence	Sceloporus undulatus	-	-	-	-	-	-
030110	Copperhead	Agkistrodon contortrix	-	-	-	-	-	-
030120	Snake, worm	Carphophis amoenus	-	-	-	-	-	-
030140	Rattlesnake, timber	Crotalus horridus	-	-	-	-	-	-
030155	Snake, rat	Elaphe obsoleta	-	-	-	-	-	-
030165	Snake, eastern hognose	Heterodon platyrhinos	-	-	-	-	-	-
030210	Snake, northern water	Nerodia sipedon	-	-	-	-	-	-
030225	Snake, queen	Regina septemvittata	-	-	-	-	-	-
030240	Snake, redbelly	Storeria occipitomaculata	-	-	-	-	-	-
030260	Snake, common garter	Thamnophis sirtalis	-	-	-	-	-	-
040120	Night-heron, yellow-crowned	Nyctiocorax violaceus	-	-	-	-	X	-
040170	Duck, wood	Aix sponsa	-	-	-	-	-	-
040185	Mallard	Anas platyrhynchos	-	-	-	-	-	-
040320	Vulture, turkey	Cathartes aura	-	-	-	-	-	-
040380	Hawk, red-tailed	Buteo jamaicensis	-	-	-	-	-	-
040400	Kestrel, American	Falco sparverius	-	-	-	-	-	-

List of Species:
Known to Reside, Breed, or Winter in BOYLE County

09 SEP 1993

ID....	NAME.....	SCI.NAME.....	FEDERAL END.	FEDERAL THREAT.	FEDERAL CANDIDATE	STATE END.	STATE THREAT.	SPECIAL CONCERN
040435	Grouse, ruffed	Bonasa umbellus	-	-	-	-	-	-
040445	Turkey, wild	Meleagris gallopavo	-	-	-	-	-	-
040450	Bobwhite, northern	Colinus virginianus	-	-	-	-	-	-
040525	Killdeer	Charadrius vociferus	-	-	-	-	-	-
040790	Dove, rock	Columba livia	-	-	-	-	-	-
040800	Dove, mourning	Zenaida macroura	-	-	-	-	-	-
040815	Cuckoo, yellow-billed	Coccyzus americanus	-	-	-	-	-	-
040830	Screech-owl, eastern	Otus asio	-	-	-	-	-	-
040835	Owl, great horned	Bubo virginianus	-	-	-	-	-	-
040850	Owl, barred	Strix varia	-	-	-	-	-	-
040875	Nighthawk, common	Chordeiles minor	-	-	-	-	-	-
040890	Swift, chimney	Chaetura pelagica	-	-	-	-	-	-
040895	Hummingbird, ruby-throated	Archilochus colubris	-	-	-	-	-	-
040910	Woodpecker, red-bellied	Melanerpes carolinus	-	-	-	-	-	-
040925	Woodpecker, hairy	Picoides villosus	-	-	-	-	-	-
040940	Flicker, northern	Colaptes auratus	-	-	-	-	-	-
040945	Woodpecker, pileated	Dryocopus pileatus	-	-	-	-	-	-
040960	Wood-pewee, eastern	Contopus virens	-	-	-	-	-	-
040970	Flycatcher, Acadian	Empidonax virescens	-	-	-	-	-	-
040990	Phoebe, eastern	Sayornis phoebe	-	-	-	-	-	-
041005	Flycatcher, grest crested	Myiarchus crinitus	-	-	-	-	-	-
041015	Kingbird, eastern	Tyrannus tyrannus	-	-	-	-	-	-
041035	Martin, purple	Progne subis	-	-	-	-	-	-
041045	Swallow, northern rough-winged	Stelgidopteryx serripennis	-	-	-	-	-	-
041060	Swallow, barn	Hirundo rustica	-	-	-	-	-	-
041070	Jay, blue	Cyanocitta cristata	-	-	-	-	-	-
041080	Crow, American	Corvus brachyrhynchos	-	-	-	-	-	-
041100	Chickadee, Carolina	Parus carolinensis	-	-	-	-	-	-
041105	Titmouse, tufted	Parus bicolor	-	-	-	-	-	-
041130	Wren, Carolina	Thryothorus ludovicianus	-	-	-	-	-	-
041175	Bluebird, eastern	Sialia sialis	-	-	-	-	-	-
041205	Thrush, wood	Hylocichla mustelina	-	-	-	-	-	-
041210	Robin, American	Turdus migratorius	-	-	-	-	-	-
041215	Catbird, gray	Dumetella carolinensis	-	-	-	-	-	-
041220	Mockingbird, northern	Mimus polyglottos	-	-	-	-	-	-
041225	Thrasher, brown	Toxostoma rufum	-	-	-	-	-	-
041245	Shrike, loggerhead	Lanius ludovicianus	-	-	X	-	-	-
041250	Starling, European	Sturnus vulgaris	-	-	-	-	-	-
041255	Vireo, white-eyed	Vireo griseus	-	-	-	-	-	-
041285	Vireo, red-eyed	Vireo olivaceus	-	-	-	-	-	-
041325	Warbler, yellow	Dendroica petechia	-	-	-	-	-	-
041420	Warbler, prothonotary	Protonotaria citrea	-	-	-	-	-	-
041435	Ovenbird	Seiurus aurocapillus	-	-	-	-	-	-
041450	Warbler, Kentucky	Oporornis formosus	-	-	-	-	-	-
041465	Yellowthroat, common	Geothlypis trichas	-	-	-	-	-	-
041485	Chat, yellow-breasted	Icteria virens	-	-	-	-	-	-
041490	Tanager, summer	Piranga rubra	-	-	-	-	-	-
041500	Cardinal, northern	Cardinalis cardinalis	-	-	-	-	-	-
041520	Bunting, indigo	Passerina cyanea	-	-	-	-	-	-
041530	Towhee, rufous-sided	Pipilo erythrophthalmus	-	-	-	-	-	-
041545	Sparrow, chipping	Spizella passerina	-	-	-	-	-	-
041555	Sparrow, field	Spizella pusilla	-	-	-	-	-	-
041605	Sparrow, song	Melospiza melodia	-	-	-	-	-	-

ID....	NAME.....	SCI.NAME.....	FEDERAL END.	FEDERAL THREAT.	FEDERAL CANDIDATE	STATE END.	STATE THREAT.	SPECIAL CONCERN
041660	Blackbird, red-winged	Agelaius phoeniceus	-	-	-	-	-	-
041665	Meadowlark, eastern	Sturnella magna	-	-	-	-	-	-
041695	Grackle, common	Quiscalus quiscula	-	-	-	-	-	-
041700	Cowbird, brown-headed	Molothrus ater	-	-	-	-	-	-
041710	Oriole, northern	Icterus galbula	-	-	-	-	-	-
041725	Finch, house	Carpodacus mexicanus	-	-	-	-	-	-
041755	Goldfinch, American	Carduelis tristis	-	-	-	-	-	-
041765	Sparrow, house	Passer domesticus	-	-	-	-	-	-
050005	Opossum, Virginia	Didelphis virginiana	-	-	-	-	-	-
050020	Shrew, smoky	Sorex fumeus	-	-	-	-	-	-
050025	Shrew, pigmy	Sorex hoyi	-	-	X	-	-	-
050040	Shrew, northern short-tailed	Blarina brevicauda	-	-	-	-	-	-
050055	Mole, eastern	Scalopus aquaticus	-	-	-	-	-	-
050075	Myotis, Keen's	Myotis keenii	-	-	-	-	-	-
050160	Cottontail, eastern	Sylvilagus floridanus	-	-	-	-	-	-
050175	Chipmunk, eastern	Tamias striatus	-	-	-	-	-	-
050180	Woodchuck	Marmota monax	-	-	-	-	-	-
050195	Squirrel, eastern gray	Sciurus carolinensis	-	-	-	-	-	-
050200	Squirrel, eastern fox	Sciurus niger	-	-	-	-	-	-
050215	Squirrel, southern flying	Glaucomys volans	-	-	-	-	-	-
050225	Beaver	Castor canadensis	-	-	-	-	-	-
050255	Mouse, white-footed	Peromyscus leucopus	-	-	-	-	-	-
050260	Mouse, deer	Peromyscus maniculatus	-	-	-	-	-	-
050280	Rat, Norway	Rattus norvegicus	-	-	-	-	-	-
050305	Vole, prairie	Microtus ochrogaster	-	-	-	-	-	-
050310	Vole, meadow	Microtus pennsylvanicus	-	-	-	-	-	-
050320	Muskrat	Ondatra zibethicus	-	-	-	-	-	-
050350	Coyote	Canis latrans	-	-	-	-	-	-
050360	Fox, red	Vulpes vulpes	-	-	-	-	-	-
050365	Fox, common gray	Urocyon cinereoargenteus	-	-	-	-	-	-
050380	Raccoon, common	Procyon lotor	-	-	-	-	-	-
050385	Weasel, long-tailed	Mustela frenata	-	-	-	-	-	-
050395	Mink	Mustela vison	-	-	-	-	-	-
050410	Skunk, striped	Mephitis mephitis	-	-	-	-	-	-
050425	Bobcat	Lynx rufus	-	-	-	-	-	-
050435	Deer, white-tailed	Odocoileus virginiana	-	-	-	-	-	-
060040	Threeridge	Amblema plicata plicata	-	-	-	-	-	-
060045	Floater, giant	Anodonta grandis	-	-	-	-	-	-
060115	Spike	Elliptio dilatata	-	-	-	-	-	-
060165	Forkshell	Epioblasma lewisii	-	-	-	-	-	-
060225	Pigtoe, Wabash	Fusconaia flava	-	-	-	-	-	-
060260	Pocketbook, plain	Lampsilis cardium	-	-	-	-	-	-
060275	Fatmucket	Lampsilis siliquoidea	-	-	-	-	-	-
060295	Fluted-shell	Lasmigona costata	-	-	-	-	-	-
060465	Kidneyshell	Ptychobranchus fasciolaris	-	-	-	-	-	-

STREAM NAME: CLARKS RUN

Date 4-19-77 COUNTY: BOYLE

Location: 3RD ST. BRIDGE IN DANVILLE

ORDER: 3

PHYSICAL DESCRIPTION:

Recent Rain

Av. Width 30' Av. Depth 2'

Bottom type bedrock, some gravel + rubble

Pool/Riffle Ratio 70/30 Shade 90%

Type of Bank Trees

Velocity _____ fps Av. Discharge _____ cfs

CHEMICAL DESCRIPTION:

Acidity _____ mg/l as $CaCO_3$ Alkalinity 190 mg/l $CaCO_3$

Carbon Dioxide _____ mg/l Chloride 20 mg/l

Color (Apparent) 40 units

Hardness (1) Ca _____ mg/l (2) Mg _____ mg/l

(3) Total 300 mg/l

Iron 0.36 mg/l

Ammonia Nitrogen 0.25 mg/l

Nitrate Nitrogen 1.8 mg/l Nitrite Nitrogen _____ mg/l

Dissolved Oxygen 9.0 mg/l pH 7.2

Ortho Phosphate 0.36 mg/l

Specific Conductance 400 Micromhos/CM Sulfate _____ mg/l

Suspended Solids _____ mg/l Turbidity 20 FTU

TEMP: WATER 64°F

THIS STREAM WAS VERY DEGRADED AT THE SAMPLE LOCATION. NO FISH LIFE WAS FOUND AND ALMOST NO INVERTEBRATE LIFE, EXCEPT A FEW CRAYFISH + BEETLES.

LAKE	YEAR	TOTAL MANHRS /ACRE	TOTAL LBS HARVEST /ACRE	SPECIES	No. HARVEST	HARVEST /ACRE	%TOTAL WEIGHT	LBS HARVEST /ACRE	AVG. LENGTH	AVG. WEIGHT	No. RELEASE	No. SUBLEGAL	BY INTENT MANHRS/ACRE
GUIST CREEK LAKE	1990	42.70	3.13	WHITE BASS	5	0.01	0.09	0.00	9.0	0.35		19	
				YELLOW BASS	216	0.34	1.44	0.05	7.0	0.13		784	
				CARP	69	0.11	10.43	0.33	18.7	3.06		0	0.11
HERRINGTON LAKE	1985	76.74	35.05	SMALLMOUTH BASS	138	0.06	0.20	0.07	14.0	1.29	57	64	27.61
2610 ACRES				SPOTTED BASS	1,117	0.45	1.09	0.38	12.6	0.86	0	3,554	27.61
				LARGEMOUTH BASS	18,134	7.25	25.27	8.86	13.4	1.22	613	19,454	27.61
				CRAPPIE	31,559	12.26	19.12	6.70	10.6	0.53		614	12.08
				SUNFISH	100,359	40.14	9.73	3.41	5.1	0.08		102	10.95
				CHANNEL CATFISH	2,458	0.98	3.14	1.10	15.2	1.13		0	
				FLATHEAD CATFISH	944	0.38	2.28	0.80	16.9	1.89		128	
				HYBRID ROCKFISH	4,989	2.00	6.94	2.43	12.5	0.98	723	0	2.53
				STRIPED BASS	24	0.01	0.41	0.15	33.0	15.17		0	
				WHITE BASS	36,457	14.58	23.02	8.07	10.7	0.55		8,251	8.78
				ROCK BASS	184	0.07	0.07	0.03	8.0	0.34		0	
				DRUM	7,147	2.86	8.74	3.06	13.4	1.06		240	
	1991	102.66	35.60	SMALLMOUTH BASS	71	0.03	0.07	0.02	12.0	0.81	0	0	44.19
				SPOTTED BASS	8,332	3.46	5.40	1.92	10.8	0.55	0	15,611	44.19
				LARGEMOUTH BASS	17,754	7.37	25.68	9.14	13.5	1.24	3,693	23,545	44.19
				WHITE CRAPPIE	44,416	18.43	20.84	7.42	9.7	0.40		2,664	15.51
				BLACK CRAPPIE	2,798	1.16	2.03	0.72	10.5	0.63		0	15.51
				BLUEGILL	114,922	47.69	18.82	6.70	6.0	0.14		82,349	18.81
				LONGEAR SUNFISH	325	0.14	0.05	0.02	5.7	0.11		236	18.81
				WARMOUTH	700	0.29	0.17	0.06	6.7	0.21		373	18.81
				GREEN SUNFISH	0	0.00	0.00	0.00	0.0	0.00		351	18.81
				CHANNEL CATFISH	1,385	0.58	2.73	0.97	17.3	1.66		819	4.31
				BULLHEAD	77	0.03	0.04	0.02	10.5	0.50		0	4.31
				FLATHEAD CATFISH	1,335	0.55	2.61	0.93	15.9	1.59		41	4.31
				HYBRID ROCKFISH	6,078	2.52	9.81	3.49	14.0	1.39		888	6.98
				WHITE BASS	7,117	2.95	4.66	1.66	10.9	0.57		263	2.79
				CARP	214	0.09	0.63	0.22	17.3	2.46		0	0.07
				ROCK BASS	435	0.18	0.11	0.04	6.7	0.21		1,695	
				DRUM	3,710	1.54	6.15	2.19	14.9	1.42		395	0.64
KENTUCKY LAKE	1985	20.78	5.52	SMALLMOUTH BASS	2,069	0.03	0.77	0.04	13.9	1.28	182	89	2.97
				SPOTTED BASS	3,373	0.06	0.92	0.05	12.7	0.87	387	1,345	2.97
				LARGEMOUTH BASS	28,295	0.47	11.78	0.65	14.0	1.38	3,933	8,845	2.97
				CRAPPIE	401,149	6.65	56.74	3.13	10.0	0.45		143,415	10.19
				SUNFISH	89,868	1.49	3.90	0.22	6.1	0.14		108,237	0.61
				CHANNEL CATFISH	21,173	0.35	5.03	0.28	13.6	0.81		8,948	0.96
				BULLHEAD	225	0.00	0.04	0.00	11.0	0.55		98	0.96
				FLATHEAD CATFISH	347	0.01	0.08	0.00	14.5	1.20	75	0	0.96
				BLUE CATFISH	33,297	0.55	6.72	0.37	12.7	0.63		4,491	0.96
				WHITE BASS	33,510	0.56	4.74	0.26	9.7	0.43		32,270	0.35
				YELLOW BASS	32,446	0.54	1.83	0.10	7.9	0.19		36,199	
				PICKEREL	0	0.00	0.00	0.00	0.0	0.00		519	
				CARP	0	0.00	0.00	0.00	0.0	0.00		456	
				BUFFALO	0	0.00	0.00	0.00	0.0	0.00		98	0.01
				ROCK BASS	235	0.00	0.01	0.00	7.0	0.24		665	
				SAUGER	25,678	0.43	6.00	0.33	13.5	0.78		15,558	0.33
				DRUM	4,842	0.08	1.33	0.07	11.7	0.74		21,155	
				GAR	0	0.00	0.00	0.00	0.0	0.00		228	
				MOONEYE	239	0.00	0.02	0.00	12.0	0.48		219	
				SKIPJACK	605	0.01	0.06	0.00	11.8	0.41		4,397	
				SHAD	197	0.00	0.02	0.00	10.0	0.34		4,183	

Press RETURN key to continue ...

CENSUS DATA

TERRELL DRIVE DUMP
LATITUDE 37:38: 0 LONGITUDE 84:45:54 1990 POPULATION

KM	0.00-.450	.450-.810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	SECTOR TOTALS
S 1	0	0	1536	2934	0	1573	6043
S 2	0	0	0	2543	0	0	2543
S 3	0	0	0	0	0	890	890
S 4	0	0	0	0	0	2017	2017
S 5	0	0	2679	0	0	0	2679
S 6	0	0	1239	2939	0	0	4178
RING TOTALS	0	0	5454	8416	0	4480	18350

Press RETURN key to continue ...