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OVERVIEW
OF
RCRA FACILITIES
AND
SUPERFUND (CERCLA) SITES
NATIONAL SYSTEMS



OFFICE OF INFORMATION RESOURCES MANAGEMENT
APRIL, 1985

ON A NATIONAL LEVEL DATA FROM ALL TEN REGIONS HAS BEEN MERGED CREATING A SINGLE LARGE DATA BASE TO SIMPLIFY NATIONAL RETRIEVALS AND QUERIES. THE HWDMs REGIONAL AND NATIONAL DATA BASES ARE ALSO USED TO CREATE AUTOMATED GRAPHS. THE MOST FREQUENTLY USED GRAPHICS SOFTWARE HAS BEEN TELL-A-GRAF AND GEOMAP.

SEE FIGURES 8, 9 AND 10 FOR A SAMPLE STANDARD LISTING, LINE CHART (TELL-A-GRAF) AND MAP (GEOMAP).

CERCLIS ABSTRACT

COVERAGE	- SUPERFUND SITE INVENTORY EVENT AND FINANCIAL TRACKING
STATUTE	- COMPREHENSIVE EMERGENCY RESPONSE, COMPENSATION AND LIABILITY ACT (1980)
PROGRAM OFFICE	- OFFICE OF EMERGENCY AND REMEDIAL RESPONSE (OERR)
" CONTACT	- BRUCE ENGELBERT FTS 382-2441
ADP TECHNICAL OFFICE	- OFFICE OF INFORMATION RESOURCES MANAGEMENT (OIRM)
" " CONTACT	- CONSTANCE DREW FTS 382-2410
HARDWARE	- PDP 11/70 (DATA ENTRY) NCC IBM 3081 (UPDATE, RETRIEVAL)
SOFTWARE	- INFORM (DATA ENTRY) SYSTEM 2000 (UPDATE, RETRIEVAL)
USERS	- OERR (EPA HQ) REGIONAL SUPERFUND OFFICES NEIC (DENVER)
NO. OF SITES	- 20,000
USER DOCUMENTATION	- CERCLA User's GUIDE, VOLUMES I AND II
RETRIEVALS	- RETRIEVAL MENU ACCESSABLE ON NCC IBM TO AUTHORIZED USERS - STANDARD AND AD-HOC RETRIEVALS.

CERCLIS DESCRIPTION

THE COMPREHENSIVE EMERGENCY RESPONSE, COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS) IS AN AUTOMATED INVENTORY OF SITES UNDER THE PURVIEW OF THE CERCLA PROGRAM, ADMINISTERED BY THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE (OERR). CERCLIS DEVELOPMENT AND MAINTENANCE IS MANAGED BY THE OFFICE OF INFORMATION RESOURCES MANAGEMENT (SEE FIGURE 1).

DATA

CERCLIS CONTAINS THESE MAJOR TYPES OF DATA:

- ° SITE IDENTIFICATION, LOCATION AND DESCRIPTION
- ° PROGRAM (REMEDIAL, REMOVAL, ENFORCEMENT) IDENTIFICATION AND DESCRIPTION
- ° EVENT IDENTIFICATION, DESCRIPTION AND SCHEDULE
- ° FINANCIAL OBLIGATIONS AND EXPENDITURES
- ° TASK IDENTIFICATION, DESCRIPTION, SCHEDULE AND EXPENDITURES
- ° MONTHLY TASK PLANS
- ° SITE ALIAS NAMES AND LOCATIONS
- ° REGIONAL COMMENTS
- ° REGIONAL UTILITY RECORDS

(SEE FIGURE 2 FOR A DETAILED DATA BASE STRUCTURE CHART.)

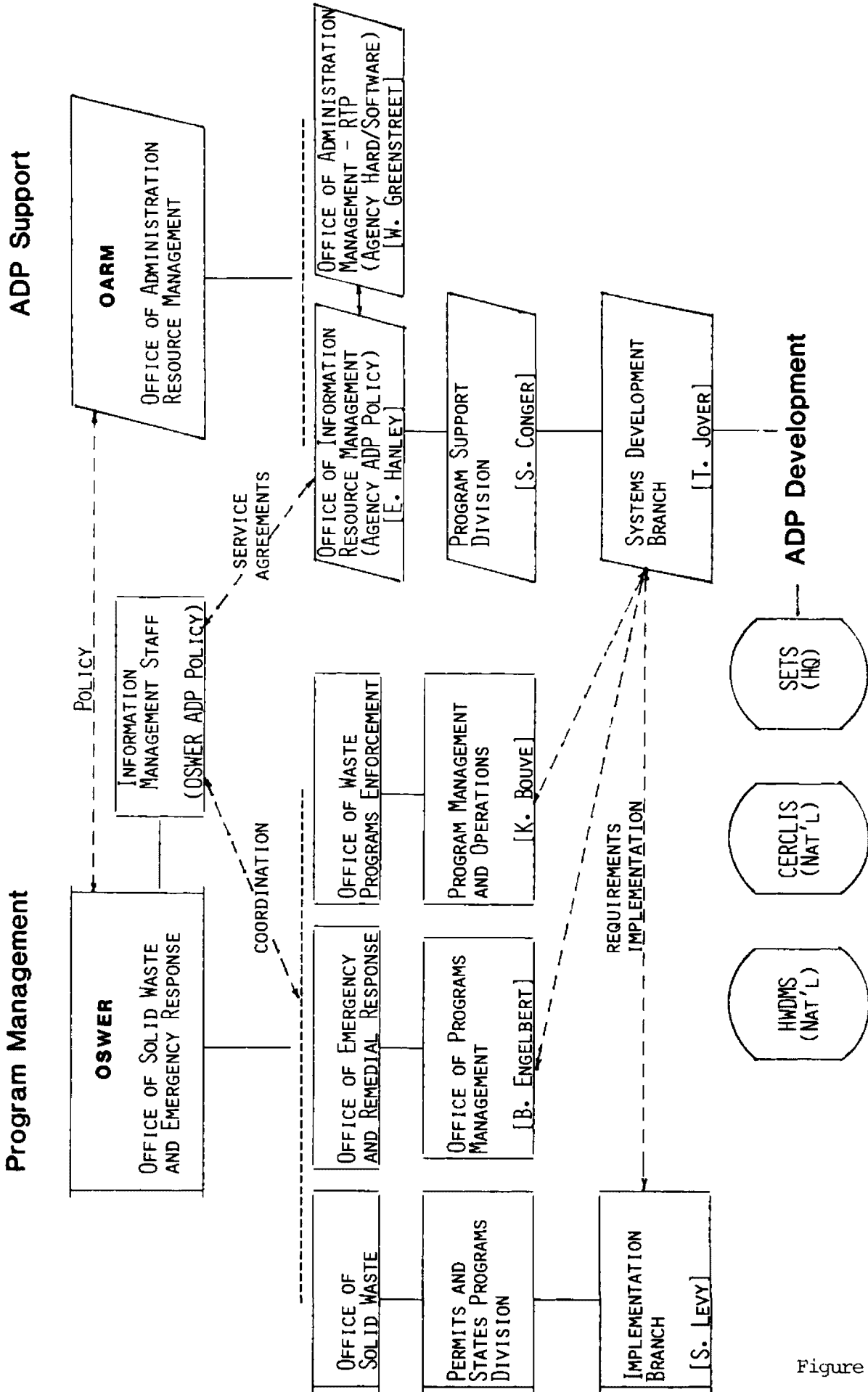
OPERATIONS

CERCLIS DATA ENTRY, EXCEPT FOR FINANCIAL DATA, IS PERFORMED IN THE REGIONS USING INPUT SCREENS DEVELOPED ON THE PDP 11/70 IN INFORM. FINANCIAL DATA IS ENTERED BY OERR AT EPA HEADQUARTERS. THE DATA IS SENT TO TRANSACTION FILES ON THE NCC IBM. THESE FILES ARE USED EVERY THURSDAY NIGHT TO UPDATE THE CERCLIS DATA BASE. UPDATE REPORTS ARE ROUTED TO THE REGIONS, AND TO EPA HEADQUARTERS WHEN THE HEADQUARTERS (FINANCIAL) UPDATE IS RUN.

MENU-DRIVEN ACCESS TO STANDARD REPORTS AND AD-HOC QUERY CAPABILITY IS PROVIDED ON THE NCC-IBM. USERS CAN ALSO CREATE THEIR OWN RETRIEVALS. AUTOMATED GRAPHS CAN BE CREATED. THE MOST COMMONLY USED GRAPHICS SOFTWARE HAS BEEN TELL-A-GRAF AND GEOMAP.

SEE FIGURES 3, 4, 5 AND 6 FOR A SAMPLE STANDARD LISTING, BAR CHART (TELL-A-GRAF) AND MAPS (GEOMAP).

THE OSWER - OARM ADP CONNECTION



- o AN OSWER-OARM MEMORANDUM OF UNDERSTANDING ESTABLISHES ORGANIZATIONAL RESPONSIBILITY FOR ADP TASKS.
- o SERVICE AGREEMENTS ARE CREATED WHICH DEFINE WHAT OARM WILL ACCOMPLISH FOR OSWER.

Figure 1

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L A

SELECTION: ** SPECIAL **
SEQUENCE: SITE NAME

PAGE: 1
RUN DATE: 85/03/27
RUN TIME: 14:11:42

L.1.A ABBREVIATED SITE LOCATION LISTING

REG	EPA_ID	SITE_NAME	CITY_NAME	CNTY_NAME	CNTY_CODE
03	PAD000436436	AMBLER ASBESTOS SITE	AMBLER	MONTGOMERY	091
03	PAD980691794	BERKS SAND PIT	WAGONTAMP TWP	BERKS	011
03	PAD980539985	BLOSENSKI LANDFILL	WAGONTAMP	CHESTER	029
03	PAD980691760	BRODHEAD CREEK	STROUDSBURG	MONROE	089
03	PAD980831812	BROWN'S BATTERY BREAKING	BERNE	BERKS	011
03	PAD980712855	BRUIN LAGOON	BRUIN BOROUGH	BUTLER	019
03	PAD000436261	CENTRE COUNTY KEPONE SITE	ST COLLEGE	CENTRE	027
03	PAD980508527	CRAIG FARMS	PARKER	ARMSTRONG	005
03	PAD980691372	DOMINO SALVAGE - WAREHOUSE 01	VALLEY TWP	MONTGOMERY	093
03	PAD980508532	DORNEY ROAD SITE	MERTZTOWN	BERKS	011
03	PAD002364865	DOUGLESVILLE DISP	DOUGLESVILLE	BERKS	011
03	PAD003059047	DRAKE CHEMICAL	LOCK HAVEN	CLINTON	035
03	PAD980690549	EAST MT ZION	SPRINGETTSBURG	YORK	133
03	PAD98052913	ENTERPRISE AVE	PHILADELPHIA	PHILADELPHIA	101
03	PAD002345317	FISCHER & PORTER	WARMINGSTER	BUCKS	017
03	PAD002339010	HAYERTOWN PCP SITE	HAYERTOWN	DELAWARE	045
03	PAD980537716	HELEVA LANDFILL	COPLAY (IRONTON VILLAGE)	LEHIGH	077
03	PAD00962939	HENDERSON ROAD SITE	UPPER MERION	MONTGOMERY	091
03	PAD980508618	HRANICA	SARVER BUFF TWP	BUTLER	019
03	PAD98030097	HUNTERSTOWN ROAD SITE	GCTTYSBURG	ADAMS	001
03	PAD980508493	INDUSTRIAL DRIVE SITE	EASTON	NORTHAMPTON	095
03	PAD980691703	KIMBERTON	ECROUGH OF KIMBERTON	CHESTER	029
03	PAD980508667	LACKAWANNA REFUSE	SCRANTON	LACKAWANNA	069
03	PAD980712731	LEHIGH ELECTRIC	OLD FORGE	LACKAWANNA	069
03	PAD980712758	LINDANE DUMP	HARRISON TWP	ALLEGHENY	003
03	PAD980508931	LORD SHOPE	GIRARD	ERIE	049
03	PAD014353445	MALVERN TCE SITE	MALVERN	CHESTER	029
03	PAD980712616	MCADOO ASSOCIATES	MCADOO	SCHUYLKILL	107
03	PAD980690796	METAL BANK OF AMERICA	PHILADELPHIA	PHILADELPHIA	101
03	PAD980398763	MIDDLETOWN AIR FIELD	MIDDLETOWN	DAUPHIN	043
03	PAD980231690	MILLCREEK TWP LANDFILL	ERIE	ERIE	049
03	PAD980539068	MODERN TRASH REMOVAL	YORK	YORK	133
03	PAD980508766	MOYER LANDFILL	COLLEGEVILLE	MONTGOMERY	091
03	PAD980692420	OLD CITY YORK LANDFILL	SEVEN VALLEYS	YORK	133
03	PAD980712673	OSBORNE LANDFILL	GROVE CITY	MERCER	085
03	PAD002395887	PALMERTON ZINC PILE	PALMERTON	CARBON	025
03	PAD980508965	PRESQUE ISLE	ERIE	ERIE	049
03	PAD006376808	RESINS DISP SITE	JEFFERSON BOFO	ALLEGHENY	003
03	PAD980308999	SQUIVER'S CORNER SITE	GETTYSBURG	ADAMS	001
03	PAD014269971	STANLEY KESSLER	KING OF PRUSSIA	MONTGOMERY	091
03	PAD980693907	TAYLOR BOROUGH	TAYLOR	LACKAWANNA	069
03	PAD980692024	TYSON DUMP #1	UPPER MERION TOWNSHIP	MONTGOMERY	091
03	PA6013800503	USA LETTERKERRY ARMT DEPOT (LEAD)	CHAMBERSBURG	FRANKLIN	055
03	PAD980692719	VOCRTMAN FARM	LADAPK	LEHIGH	077

REGIONAL DISTRIBUTION OF CERCLIS SITES

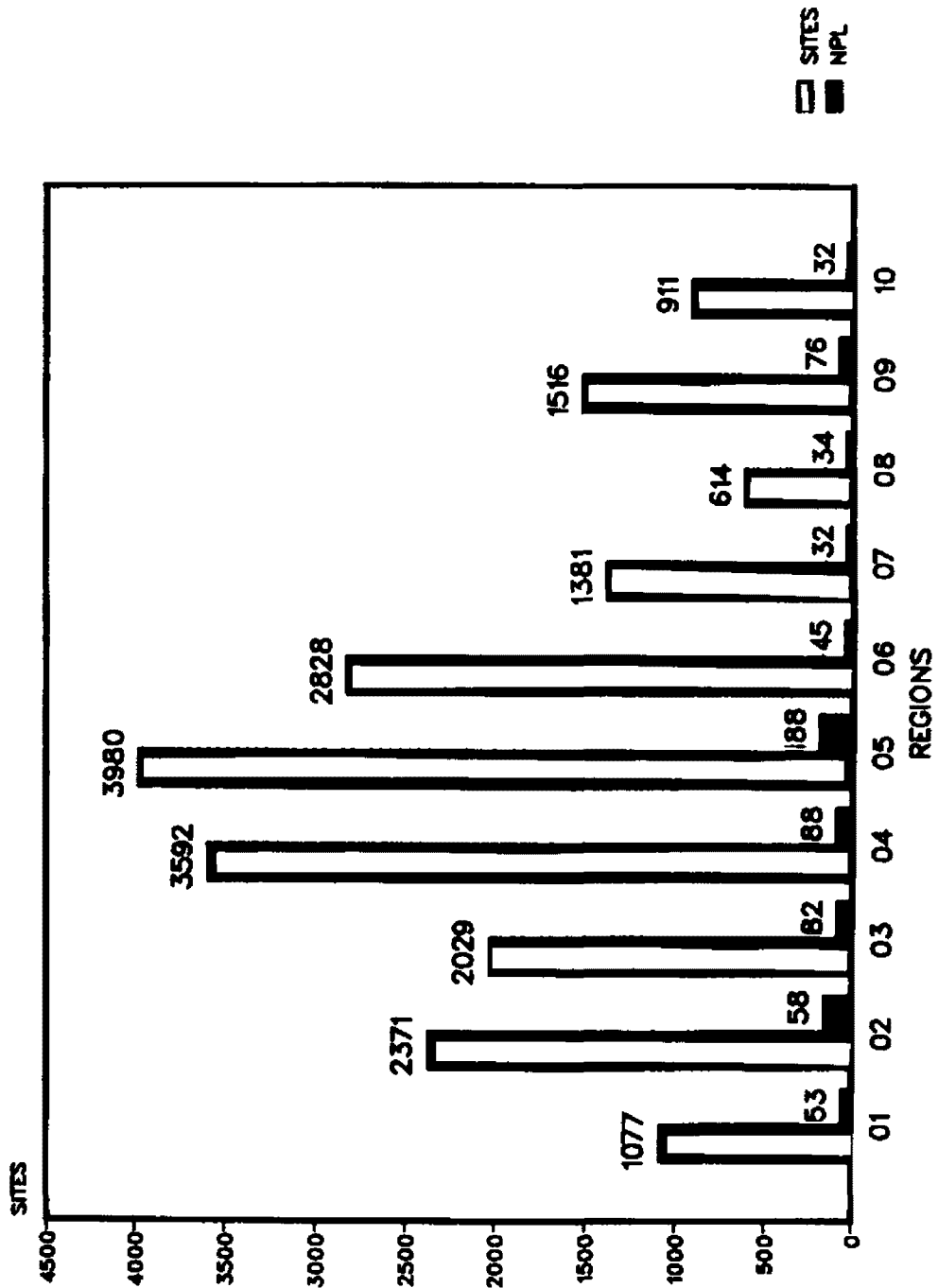
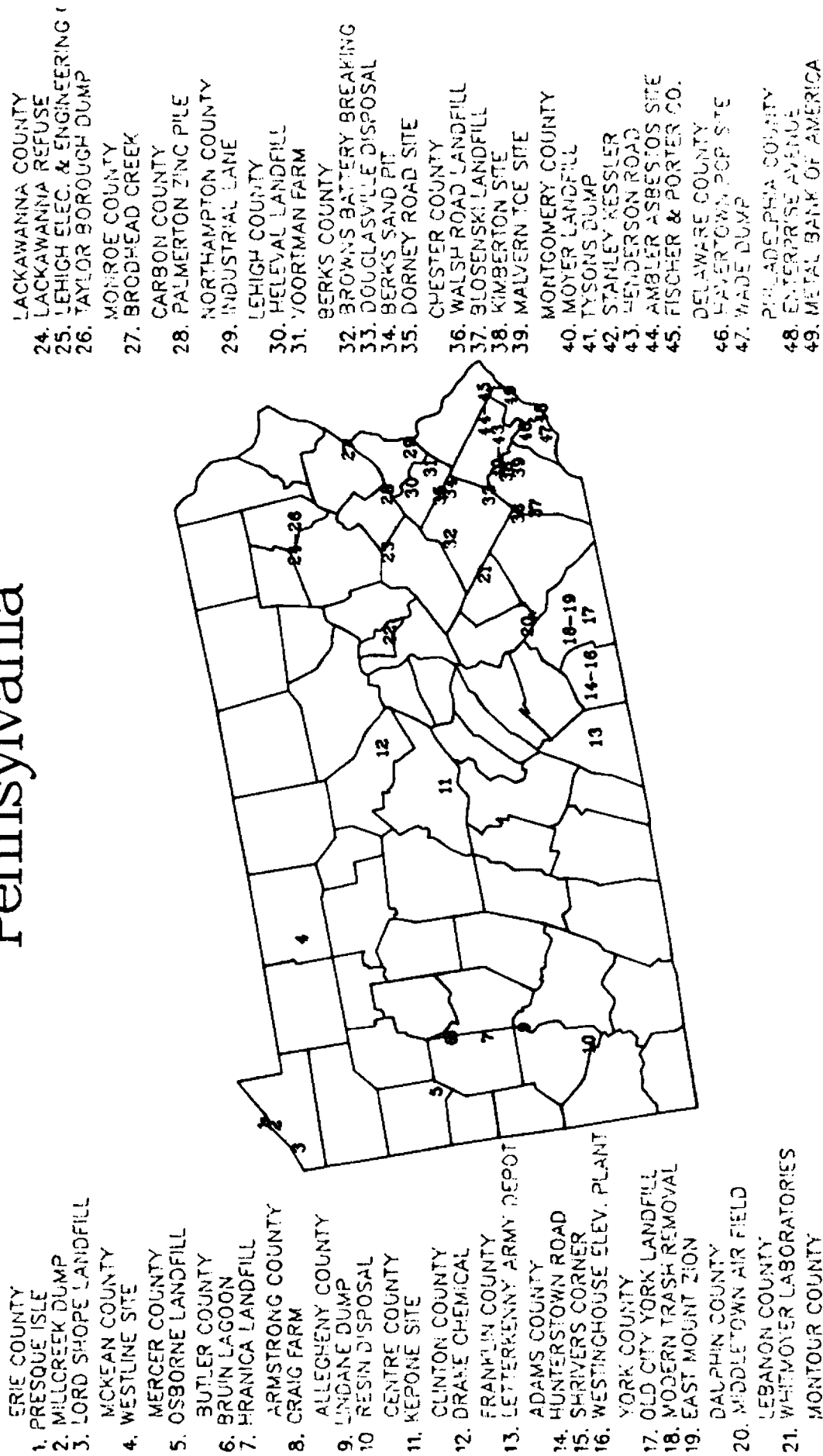


Figure 4

SUPERFUND National Priority List Sites Pennsylvania

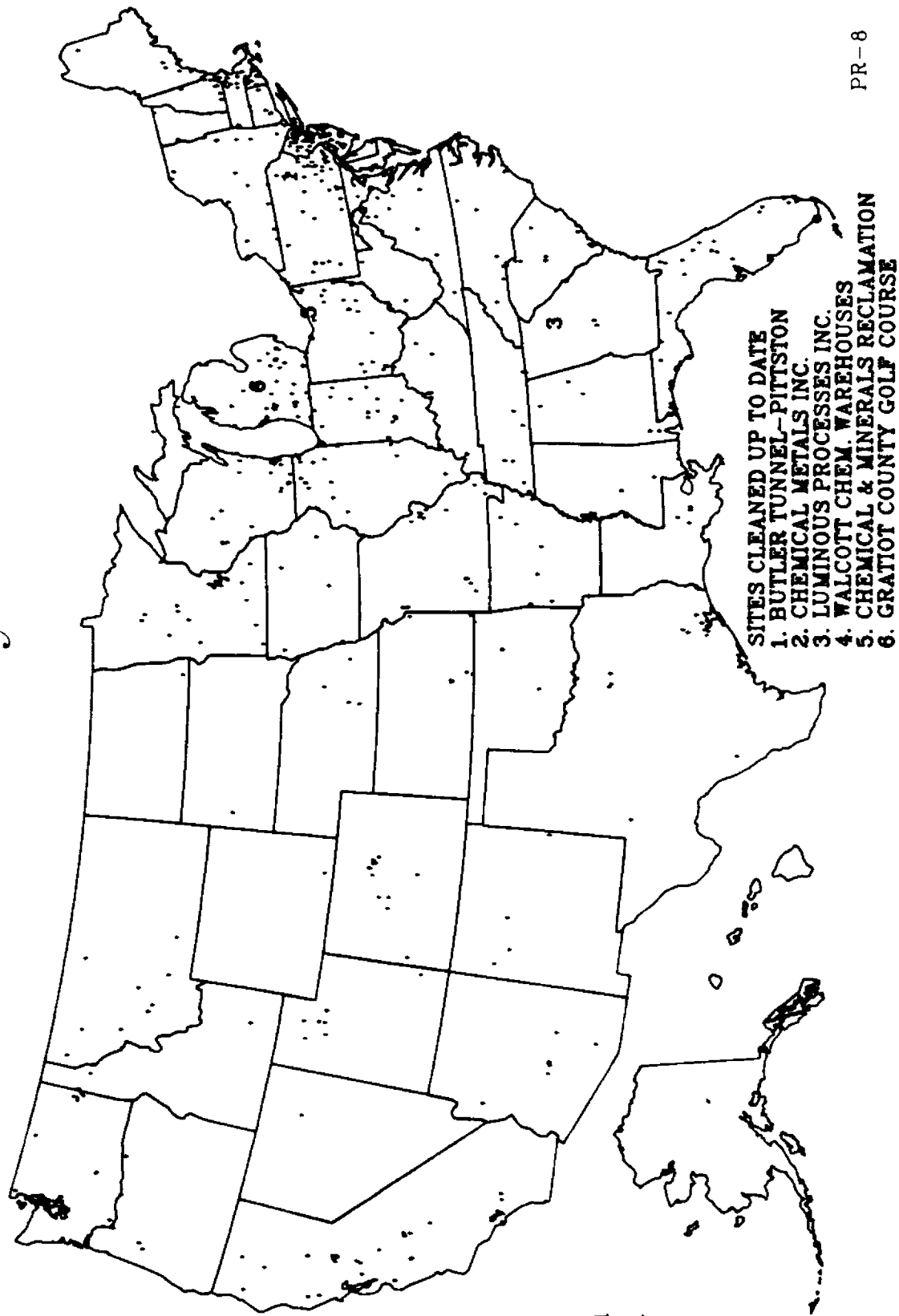


- 1. PRESQUE ISLE
- 2. MILLCREEK DUMP
- 3. LORD SHOPE LANDFILL
MCKEAN COUNTY
- 4. WESTLINE SITE
MERCER COUNTY
- 5. OSBORNE LANDFILL
BUTLER COUNTY
- 6. BRUIN LAGOON
FRANCA LANDFILL
ARMSTRONG COUNTY
- 8. CRAIG FARM
ALLEGHENY COUNTY
- 9. LINDANE DUMP
- 10. RESIN DISPOSAL
CENTRE COUNTY
- 11. KEPONE SITE
CLINTON COUNTY
- 12. DRAKE CHEMICAL
FRANKLIN COUNTY
- 13. LETTERKENNY ARMY DEPOT
ADAMS COUNTY
- 14. HUNTERSTOWN ROAD
15. SHRIVERS CORNER
16. WESTINGHOUSE ELEV. PLANT
YORK COUNTY
- 17. OLD CITY YORK LANDFILL
- 18. MODERN TRASH REMOVAL
- 19. EAST MOUNT ZION
DALPHIN COUNTY
- 20. MIDDLETOWN AIR FIELD
LEBANON COUNTY
- 21. WHITMOYER LABORATORIES
MONTGOMERY COUNTY
- 22. DOMINO SALVAGE YARD
SCHUYLKILL COUNTY
- 23. MCADOO ASSOCIATES

- LACKAWANNA COUNTY
- 24. LACKAWANNA REFUSE
- 25. LEHIGH ELEC. & ENGINEERING
- 26. TAYLOR BOROUGH DUMP
MONROE COUNTY
- 27. BRODHEAD CREEK
CARBON COUNTY
- 28. PALMERTON ZINC PILE
NORTHAMPTON COUNTY
- 29. INDUSTRIAL LANE
LEHIGH COUNTY
- 30. HELEVAL LANDFILL
31. VOORTMAN FARM
BERKS COUNTY
- 32. BROWN'S BATTERY BREAKING
- 33. DOUGLASVILLE DISPOSAL
- 34. BERKS SAND PIT
- 35. DORNEY ROAD SITE
CHESTER COUNTY
- 36. WALSH ROAD LANDFILL
- 37. BLOSENSKI LANDFILL
- 38. KIMBERTON SITE
- 39. MALVERN ICE SITE
MONTGOMERY COUNTY
- 40. MOYER LANDFILL
- 41. TYSONS DUMP
- 42. STANLEY KESSLER
- 43. WENDERSON ROAD
- 44. AMBLER ASBESTOS SITE
- 45. FISCHER & PORTER CO.
DELAWARE COUNTY
- 46. HAVERTOWN POP SITE
- 47. WADE DUMP
PHILADELPHIA COUNTY
- 48. ENTERPRISE AVENUE
- 49. METAL BANK OF AMERICA

Figure 5

SUPERFUND National Priority List Sites January 1985



AS-1
CM-1
GU-1
TT-1

PR-8

Figure 6

HAZARDOUS WASTE DATA MANAGEMENT SYSTEM

(HWDMS)

HWDMs ABSTRACT

COVERAGE	- FACILITY IDENTIFICATION, LOCATION, SIC CODES, OWNER AND OPERATOR INFORMATION
	WASTE INFORMATION
	PERMIT TRACKING
	COMPLIANCE AND ENFORCEMENT TRACKING
STATUTE	- RESOURCE CONSERVATION AND RECOVERY ACT (1980)
PROGRAM OFFICE	- OFFICE OF SOLID WASTE (OSW)
" CONTACT	- STEVE LEVY FTS 382-4697
ADP TECHNICAL OFFICE	- OFFICE OF INFORMATION RESOURCES MANAGEMENT (OIRM)
" " CONTACT	- CONSTANCE DREW FTS 382-2410
HARDWARE	- PDP 11/70 (DATA ENTRY) NCC IBM 3081 (UPDATE, RETRIEVAL)
SOFTWARE	- INFORM (DATA ENTRY) SYSTEM 2000 (UPDATE, RETRIEVAL)
USERS	- OSW AND OWPE (EPA HQ) REGIONAL RCRA OFFICES STATES
NO. OF FACILITIES	- 105,000
USER DOCUMENTATION	- HWDMs SCREEN ENTRY MANUAL HWDMs FUNCTION DRIVER MANUAL
RETRIEVALS	- RETRIEVAL MENU ACCESSABLE ON NCC IBM TO AUTHORIZED USERS - STANDARD AND AD-HOC RETRIEVALS.

HWDMs DESCRIPTION

THE HAZARDOUS WASTE DATA MANAGEMENT SYSTEM IS AN AUTOMATED SYSTEM FOR MANAGING FACILITIES REGULATED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), WHICH REGULATES GENERATORS, TRANSPORTERS, TREATERS, STORERS, AND DISPOSERS OF HAZARDOUS WASTE. RCRA IS ADMINISTERED BY THE OFFICE OF SOLID WASTE (OSW) WHICH IS MAJOR FUNCTIONAL USER OF HWDMs. HWDMs ADP DEVELOPMENT AND MAINTENANCE IS MANAGED BY THE OFFICE OF INFORMATION RESOURCES MANAGEMENT (SEE FIGURE 1).

DATA

HWDMs CONTAINS THESE MAJOR TYPES OF DATA:

- ° FACILITY LEVEL DATA INCLUDING FACILITY LOCATION, MAILING, OWNER AND OPERATOR NAMES AND ADDRESSES; GEOGRAPHIC INFORMATION ON THE LOCATION OF THE FACILITY; SIC CODES.
- ° WASTE PROCESS DESIGN TYPE AND CAPACITY AVAILABLE AT THE FACILITY, AND THE TYPES OF WASTES ACTUALLY PROCESSED AS REPORTED BY FACILITIES ON THEIR RCRA NOTIFICATION FORMS AND PART A, PERMIT APPLICATIONS.
- ° ACTION-EVENTS IN THE PART B PERMITTING PROCESS; FINANCIAL MANAGEMENT DATA; CLOSURE/POST-CLOSURE ACTIONS; AND GROUND WATER MONITORING ACTIONS.
- ° COMPLIANCE AND ENFORCEMENT DATA RELATED TO COMPLIANCE MONITORING AND ENFORCEMENT ACTIONS THAT DO NOT INVOLVE LITIGATION. (ACTIONS INVOLVING LITIGATION ARE TRACKED WHEN THEY ARE FILED AND COMPLETED; CIVIL AND CRIMINAL ACTIONS ARE TRACKED IN MORE DETAIL IN A SYSTEM CALLED DOCKET).

(SEE FIGURE 7 FOR A DETAILED DATA BASE STRUCTURE CHART.)

OPERATIONS

HWDMs DATA ENTRY IS PERFORMED IN THE REGIONS AND IN SOME STATES USING INPUT SCREENS DEVELOPED ON THE PDP 11/70 IN INFORM. HWDMs DATA RESIDES IN TEN REGIONAL DATA BASES ON THE NCC IBM. EACH REGION HAS A DATA BASE ADMINISTRATOR WHO IS RESPONSIBLE FOR UPDATING AND MAINTAINING THEIR REGIONAL DATA BASE. UPDATES ARE RUN ON THE NCC IBM AND THE UPDATE REPORTS ARE RECEIVED BACK IN THE REGION.

HWDMs PROVIDES MENU-DRIVEN ACCESS TO STANDARD REPORTS AND AN AD-HOC QUERY CAPABILITY. USERS CAN ALSO CREATE THEIR OWN RETRIEVALS.

PRD090510793 CARIBE GE PROD., INC. BLDG #1-PALMER PLNT LAST UPDATE: 3/18/85

EXISTENCE DATE: 2/16/56 ROAD 191 KM. .05 PALMER PR 00721 CLOSURE DATE:
 809/887/2050

COUNTY: RIO GRANDE DISTRICT: BASIN: LATITUDE: 182209.7 LONGITUDE: 0654619.7

FACILITY STATUS: 1 MODIFY/CONSTRUCT: COMMERCIAL: NON-REGULATED: OWNER TYPE: P FACILITY TYPE: GEN TRANS TSDF

MAILING ADDRESS OPERATOR ADDRESS
 CASANOVA, JOSE E. MGR.MFG.ENG. PUERTO RICO INDUSTRIAL DEVELOPMENT CO PRECISION PROTECTIVE DEVICES INC
 BOX 377 G.P.O. BOX 2350 PO BOX 377
 PALMER PR 00721 SAN JUAN PR 00936 PR 809/887-2050

INDICATORS	NOTIFICATION DATA	PERMITS	DESIGN CAPACITY
CONFIDENTIALITY NOTIF : 0	PERMIT STATUS: 1	TYPE NUMBER	PROCESS AMOUNT UNIT
CONFIDENTIALITY PART A : 0	NOTIFICATION RECEIVED: 8/14/80	R PRD090510793	S01 1200.000 G
NATURE BUSINESS IND : A	NOTIFICATION ACKNOWLEDGED: 11/07/80	N PR0000671	T01 57600.000 U
MAP STATUS IND : A	PART A RECEIVED: 11/19/80		S02 1200.000 G
DRAWING STATUS IND : A	(1) PART A ACKNOWLEDGED: 1/15/81		S04 152580.000 G
PHOTO STATUS IND : A	(2) PART A ACKNOWLEDGED:		
INDIAN LAND IND : N			
OWNER/OPERATOR IND : N			

SIC CODES
 3613 TRANSPORTATION
 3471 ROAD

WASTE CODE	ESTIMATED AMOUNT	WASTE DESCRIPTION
WASTE CODE: D000	MT	PROCESSES:
WASTE CODE: D001	MT	MT PROCESSES:
WASTE CODE: D002	36142.848	MT PROCESSES: T01
WASTE CODE: F006	22.680	MT PROCESSES: S04
WASTE CODE: F007	10.614	MT PROCESSES: S04
WASTE CODE: F008	136.080	MT PROCESSES: S01
WASTE CODE: F009	2.268	MT PROCESSES: T01 S02
WASTE CODE: F017		MT PROCESSES: S01

157 820310 11.38220 WFB FORMULA
 COMMENTS

Figure 3

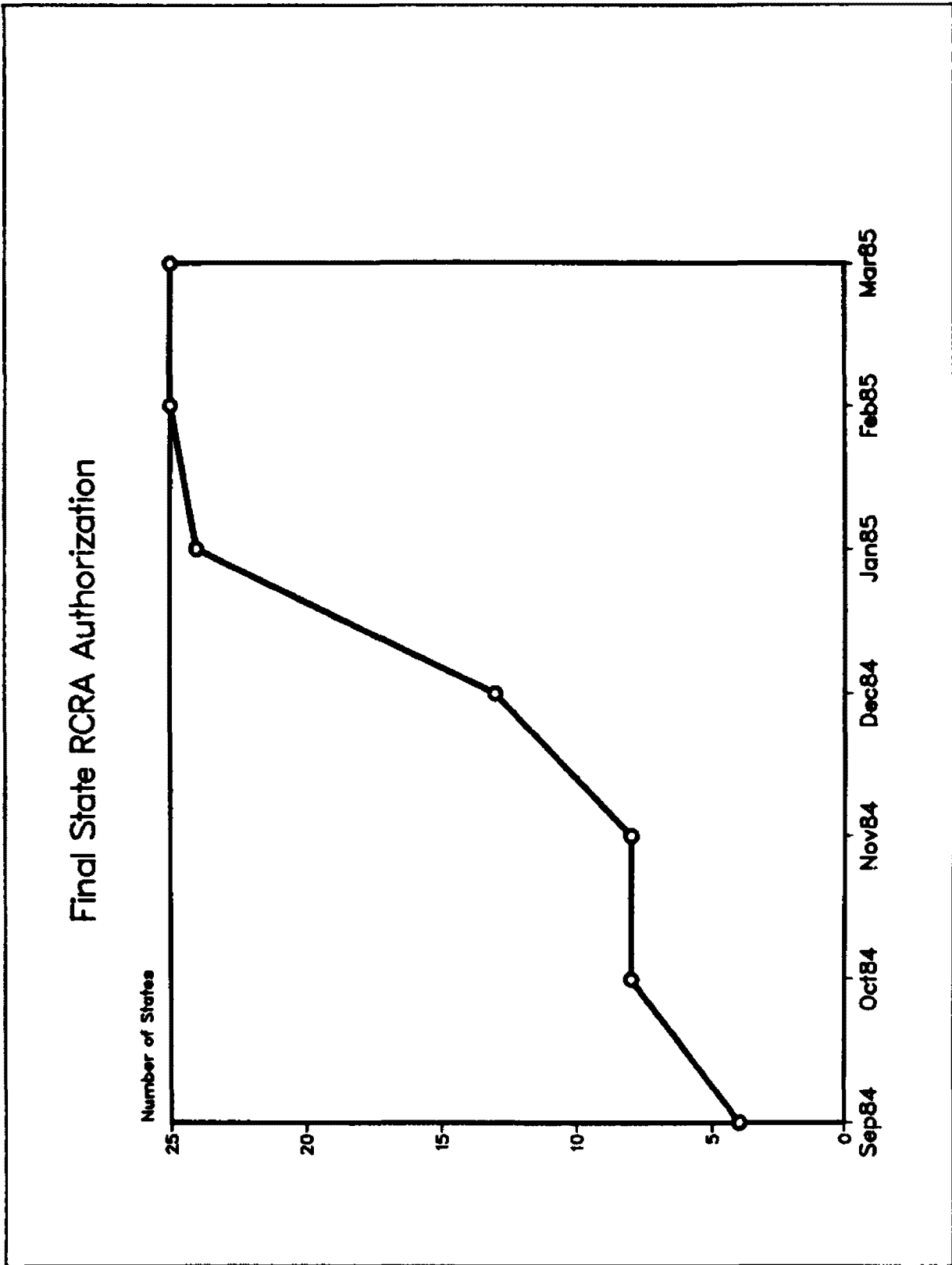


Figure 9

PERMITTED
Storage and Treatment Facilities
January 1985

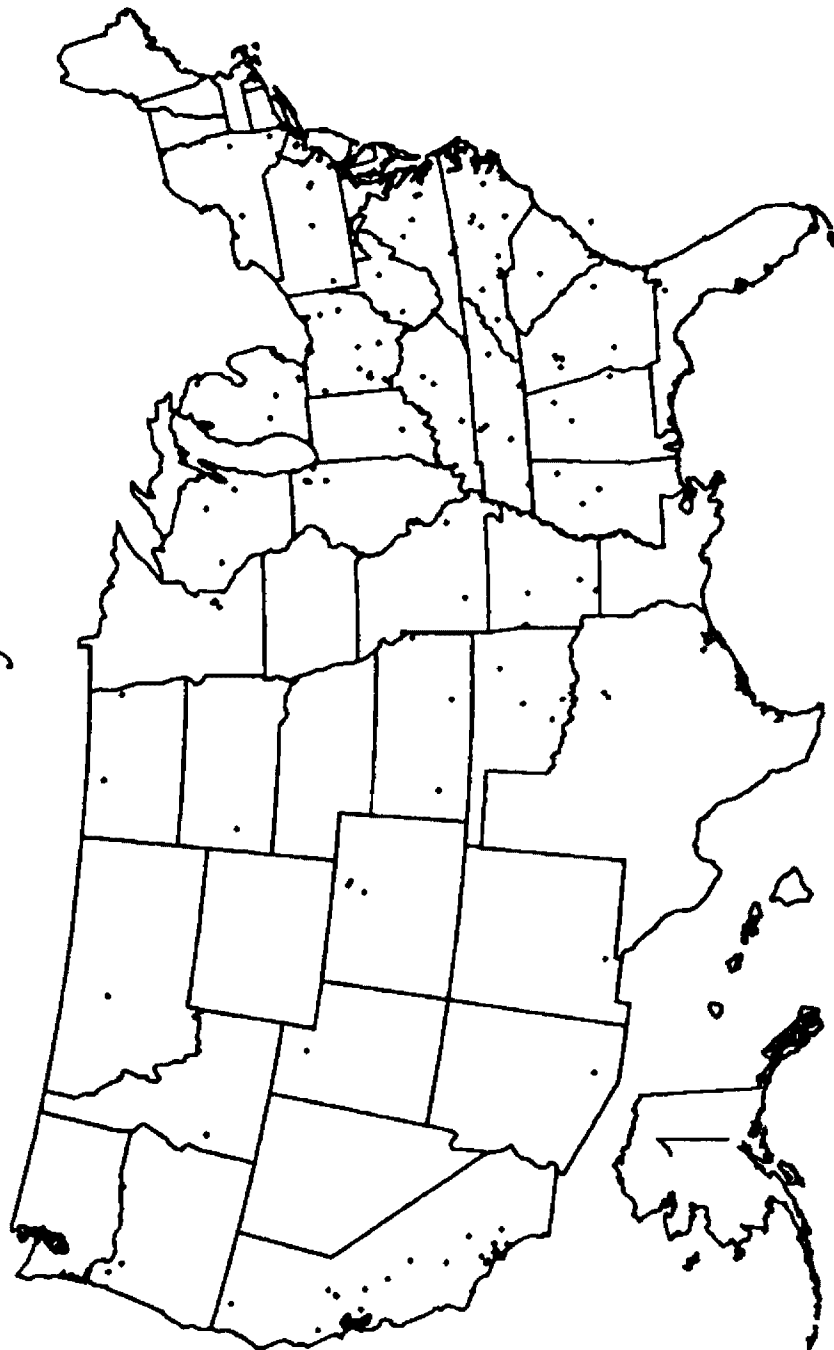


Figure 10

FACILITY INDEX SYSTEM
(FINDS)

FINDS ABSTRACT

COVERAGE	- FACILITIES AND SITES REGULATED UNDER THE VARIOUS EPA PROGRAMS
STATUTE	- N/A
PROGRAM OFFICE	- OFFICE OF INFORMATION RESOURCES MANAGEMENT (OIRM)
" CONTACT	- DANIEL CIRELLI FTS 382-2416
ADP TECHNICAL OFFICE	- OIRM
" " CONTACT	- CONSTANCE DREW FTS 382-2410
HARDWARE	- NCC IBM 3081
SOFTWARE	- ADABAS
USERS	- HQ AND REGIONAL PROGRAM OFFICES REGIONAL FINDS STAFFS OIRM
NO. OF SITES/FACILITIES	- 171,000
USER DOCUMENTATION	- FINDS USER'S GUIDE
RETRIEVALS	- RETRIEVAL MENU ACCESSABLE TO AUTHORIZED USERS FOR ON-LINE REVIEW OF FACILITY/SITE RECORDS, OR FOR STANDARD BATCH RETRIEVALS. AD-HOC RETRIEVALS ARE PROVIDED BY A CENTRALIZED USER SUPPORT GROUP.

NOTE: ALTHOUGH FINDS IS MANAGED FROM A FUNCTIONAL AND TECHNICAL STANDPOINT BY OIRM, IT HAS BEEN INCLUDED IN THIS BROCHURE BECAUSE IT IS A NATIONAL ADP SYSTEM SUPPORTING OSWER AS WELL AS OTHER PROGRAM OFFICES.

FINDS DESCRIPTION

THE FACILITY INDEX SYSTEM (FINDS) IS AN AUTOMATED INVENTORY OF FACILITIES AND SITES REGULATED BY EPA. FINDS SUPPORTS THE ASSIGNMENT OF THE STANDARD EPA ID NUMBER, A UNIQUE NUMBER ASSIGNED TO THE FACILITIES OR SITES THAT FALL UNDER THE JURISDICTION OF THE VARIOUS EPA ADMINISTERED LEGISLATION AND REGULATIONS. EACH FINDS RECORD INDICATES THE EPA PROGRAM/MEDIA ADP SYSTEMS THAT CONTAIN MORE INFORMATION ABOUT THE FACILITY OR SITE. FINDS THEREBY PROVIDES EPA WITH A CROSS-PROGRAM/MEDIA PERSPECTIVE ON A FACILITY AND IDENTIFIES THOSE PROGRAMS FROM WHICH MORE DETAILED, PROGRAM-SPECIFIC INFORMATION ABOUT THE FACILITY OR SITE CAN BE RETRIEVED. FIGURE 11 SHOWS THE VARIOUS EPA PROGRAMS AND SYSTEMS WHICH ARE INDEXED BY FINDS.

DATA

FINDS CONTAINS THE FOLLOWING TYPES OF DATA:

- ° EPA IDENTIFICATION NUMBER, FACILITY/SITE NAME AND ADDRESSES
- ° OWNER AND OPERATORS' NAMES AND ADDRESSES
- ° LATITUDE, LONGITUDE AND OTHER LOCATION INFORMATION (E.G., CONGRESSIONAL DISTRICT CODE, RIVER BASIN CODE, AQCR)
- ° SOURCE RECORDS CONTAINING INDICATORS THAT DENOTE WHICH EPA PROGRAM SYSTEMS MAINTAIN INFORMATION ABOUT THE FACILITY OR SITE
- ° ALIAS NAMES AND ID NUMBERS BY WHICH THE FACILITY IS KNOWN IN PROGRAM-SPECIFIC SYSTEMS
- ° IDENTIFICATION OF AN EXISTING ENVIRONMENTAL PERMIT(S) ISSUED TO THE FACILITY
- ° REGIONAL UTILITY RECORD
- ° REGIONAL COMMENTS

(SEE FIGURE 12 FOR A STRUCTURE CHART AND DATA ELEMENT LIST.)

OPERATIONS

FINDS IS AN ON-LINE INTERACTIVE SYSTEM USING THE NCC IBM. DATA ENTRY IS PERFORMED BY THE REGIONS THROUGH 3270-TYPE TERMINALS USING THE ON-LINE SCREEN ENTRY PACKAGE, WHICH EDITS, UPDATES AND RETRIEVES DATA. A RETRIEVAL MENU IS ACCESSABLE TO AUTHORIZED USERS FOR ON-LINE REVIEW OF FACILITY/SITE RECORDS, OR FOR STANDARD BATCH RETRIEVALS. AD-HOC RETRIEVALS ARE PROVIDED BY A CENTRALIZED USER SUPPORT GROUP.

AUTOMATED GRAPHS AND MAPS CAN BE CREATED. THE MOST FREQUENTLY USED GRAPHICS PACKAGES HAVE BEEN TELL-A-GRAF AND GEOMAP.

SEE FIGURES 13, 14 AND 15 FOR A SAMPLE STANDARD LISTING, BAR CHART (TELL-A-GRAF) AND MAP (GEOMAP).

FINDS

IS AN INDEX WHICH PROVIDES THE KEY TO ADDITIONAL INFORMATION

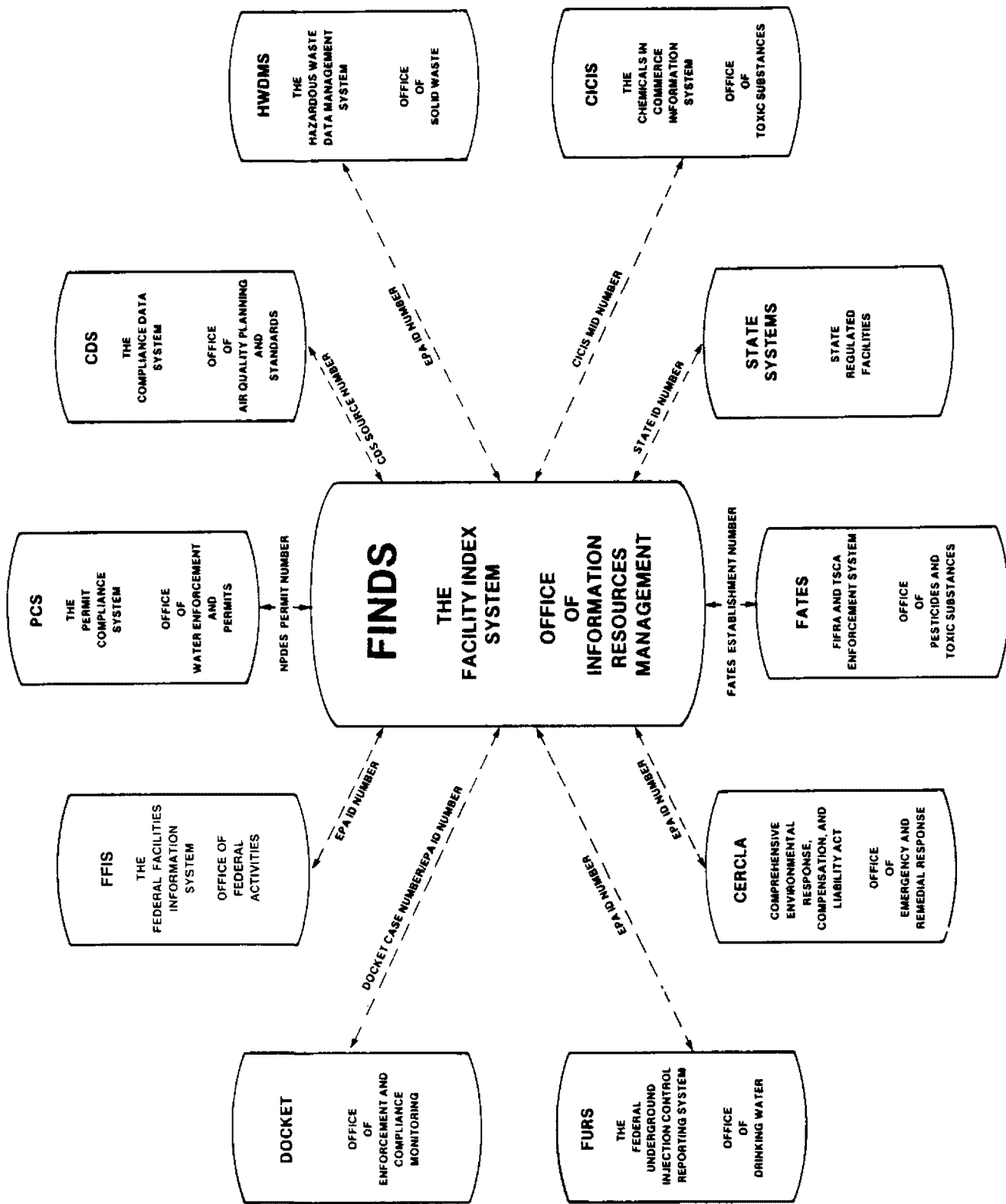
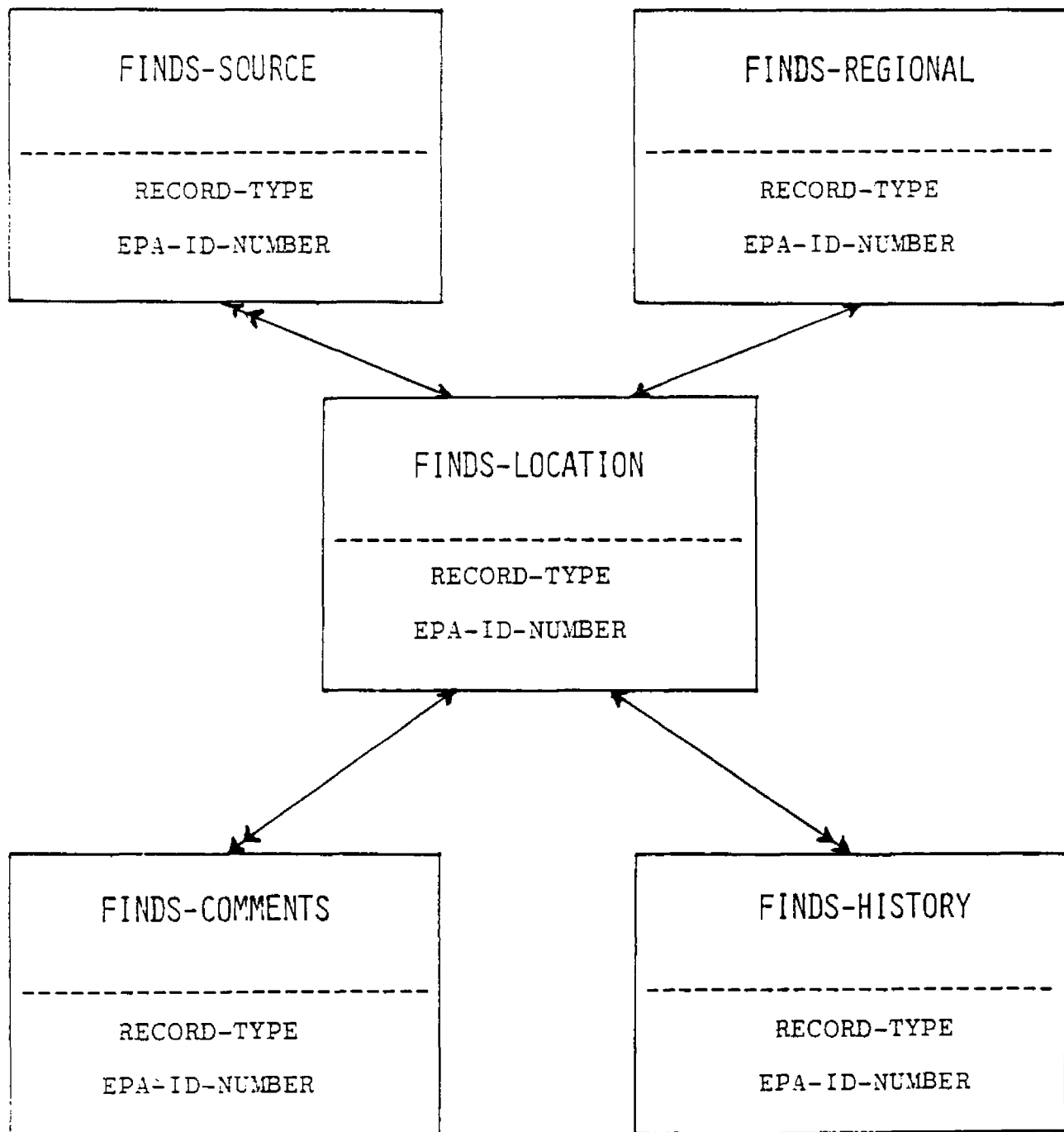


Figure 11

FACILITY INDEX SYSTEM
FINDS
FILE STRUCTURE



THE RELATIONSHIPS DEPICTED HERE ARE THOSE SUPPORTED BY THE FINDS
SCREEN PACKAGE.

FINDS-LOCATION RECORDS COMPRISE:

DE EPA-ID-NUMBER
DE RECORD-TYPE
DE LAST-UPDATE
DE REGION-CODE
DE FACILITY-OWNER-TYPE
PE ADDRESSES, WHICH COMPRISES:
 ADDRESS-TYPE
 NAME
 STREET
 CITY
 STATE
 ZIP-CODE
 INACTIVE-DATE
 ADDRESS-COMMENT
MU(6) PREVIOUS-SITE-ID
 COUNTY-CODE
 COUNTY-NAME
 AQCR
 RIVER-BASIN-CODE
 USGS-CATALOGUING-UNIT
 CONG-DIST-CODE
 PLACE-CODE
 LL-SOURCE
 LATITUDE, WHICH COMPRISES:
 LAT-DEGREES
 LAT-MINUTES
 LAT-SECONDS
 LONGITUDE, WHICH COMPRISES:
 LONG-DEGREES
 LONG-MINUTES
 LONG-SECONDS
 INDIAN-LAND-IND
DE SUPERLS, STATE CODE OF THE EPA-ID-NUMBER
DE SUPERID, WHICH COMPRISES:
 EPA-ID-NUMBER
 RECORD-TYPE = L
DE SUPERIE, WHICH COMPRISES:
 RECORD-TYPE = L
 REGION-CODE

FINDS-SOURCE RECORDS COMPRISE:

DE EPA-ID-NUMBER
DE RECORD-TYPE
DE LAST-UPDATE
DE REGION-CODE
FINDS-ENTRY-DATE
DE SOURCE-INDICATOR
DE SOURCE-ID-NUMBER
DE PERMIT-INDICATOR
DE SOURCE-ATTR1
SOURCE-ATTR2
SOURCE-FACILITY-NAME
SOURCE-FACILITY-STREET
SOURCE-FACILITY-CITY
SOURCE-FACILITY-STATE
SOURCE-FACILITY-ZIP
SOURCE-FACILITY-DATE
SOURCE-FREE-FIELD
UPDATE-INDICATOR
PERMIT-NUMBER
DE SUPERID, WHICH COMPRISES:
EPA-ID-NUMBER
RECORD-TYPE = S
DE SUPERIE, WHICH COMPRISES:
RECORD-TYPE = S
REGION-CODE

FINDS-REGIONAL RECORDS COMPRISE:

DE EPA-ID-NUMBER
DE RECORD-TYPE
DE LAST-UPDATE
DE REGION-CODE
PARENT-EPA-ID
PARENT-COMPANY-NAME
CONTACT-NAME
CONTACT-TELEPHONE
LAST-RESEARCH-DATE
MU(4) SIC-CODES
REGIONAL-ELEMENT-01
REGIONAL-ELEMENT-02
REGIONAL-ELEMENT-03
REGIONAL-ELEMENT-04
REGIONAL-ELEMENT-05
REGIONAL-ELEMENT-06
REGIONAL-ELEMENT-07
REGIONAL-ELEMENT-08
REGIONAL-ELEMENT-09
REGIONAL-ELEMENT-10
DE SUPERID, WHICH COMPRISES:
EPA-ID-NUMBER
RECORD-TYPE = R
DE SUPERIE, WHICH COMPRISES:
RECORD-TYPE = R
REGION-CODE

FINDS-COMMENTS RECORDS COMPRISE:

DE EPA-ID-NUMBER
DE RECORD-TYPE
DE LAST-UPDATE
DE REGION-CODE
DE COMMENT-NUMBERS
MU COMMENT-DATA
DE SUPERID, WHICH COMPRISES:
EPA-ID-NUMBER
RECORD-TYPE = C
DE SUPERIE, WHICH COMPRISES:
RECORD-TYPE = C
REGION-CODE

FINDS-HISTORY RECORDS COMPRISE:

DE EPA-ID-NUMBER
DE RECORD-TYPE
DE LAST-UPDATE
DE REGION-CODE
DE FACILITY-OWNER-TYPE
PE ADDRESSES, WHICH COMPRISES:
ADDRESS-TYPE
NAME
STREET
CITY
STATE
ZIP-CODE
INACTIVE-DATE
ADDRESS-COMMENT
MU(6) PREVIOUS-SITE-ID
COUNTY-CODE
COUNTY-NAME
AQCR
RIVER-BASIN-CODE
USGS-CATALOGUING-UNIT
CONG-DIST-CODE
PLACE-CODE
LL-SOURCE
LATITUDE, WHICH COMPRISES:
LAT-DEGREES
LAT-MINUTES
LAT-SECONDS
LONGITUDE, WHICH COMPRISES:
LONG-DEGREES
LONG-MINUTES
LONG-SECONDS
INDIAN-LAND-IND
DE SUPERLS, STATE CODE OF THE EPA-ID-NUMBER
DE SUPERID, WHICH COMPRISES:
EPA-ID-NUMBER
RECORD-TYPE = H
DE SUPERIE, WHICH COMPRISES:
RECORD-TYPE = H
REGION-CODE

IDENTIFICATION NUMBER LAT/LONG	FACILITY CITY	FACILITY LOCATION NAME	STATE	ZIP CODE	FACILITY COUNTY NAME	STREET	H W	D P C	C S S	F A S	P A S	C S D	B C S
IAD5806J2780 413948 0933540	CHELANA CORP DES MOINES		IA	50313		5727 W 16TH POLK	X						
IAD980850341 424718 0960910	CHEMNAK OF CEDAR RAPIDS LE MARS		IA	51031		104 10TH AVE SE PLYMOUTH			X				
IAD960850655 415908 0914125	CHEMNAK OF CEDAR RAPIDS CEDAR RAPIDS		IA	52404		14J6 L ST SW JOHNSON			X				
IAD940689468 422948 0922024	CHEMNAK OF WATERLOO WATERLOO		IA	50702		1301 JEPPEBSON ST BLACK HAWK			X				
IAD045J2836 414816 0901745	CHEMPLA CO CLINTON		IA	52732		HWY 30 W & ANAMCSA RD CLINTON	X	X	X	X	X	X	X
IAD940636867 424438 0953127	CHEMNAK COUNTY SANITARY LANDFILL CHEROKEE		IA	51012		RR CHEROKEE						X	
IAD04701J07 424500 0953312	CHEMNAK FARM SERVICE CHEROKEE		IA	51012		RR 2 CHEROKEE						X	
IAD980J39874 423114 0953430	CHEMNAK INDUSTRIAL WASTE PLANT CHEROKEE		IA	51012		.75 MI S OF TOWN CHEROKEE			X				
IAD000152975 423050 0953505	CHEMNAK WTP CHEROKEE		IA	51012		2 MI SW OF TOWN ON L56 CHEROKEE			X				
IAD940726648 415717 0914040	CHEMNAK-BURRELL CORP CEDAR RAPIDS		IA	52404		2400 6TH AVE SW JOHNSON	X	X					
IAD043492140 413928 0935419	CHEMNAK CHEMICAL CO DALLAS CENTER		IA	50063		RR 1 DALLAS	X				X		X
IAD980632624 403720 0912225	CHEMNAK CHEMICAL CO FT MADISON		IA	52627		1800 S 48TH ST LEE	X				X		
IAD000651026 411328 0955040	CHEMNAK CHEMICAL CO COUNCIL BLUFFS		IA	51501		201 J5TH AVE POTTAWATTAMIE	X	X	X	X	X	X	X
IAD980632632 420100 0952045	CHEMNAK CHEMICAL CO DENISON		IA	51442		401 BOYER VALLEY RD CRAWFORD	X						
IAD980631030 412926 0934503	CHEMNAK CHEMICAL CO NORWALK		IA	50211		RR 1 WARREN						X	
IAD005173992 403601 0912355	CHEMNAK CHEMICAL CO-FERTILIZER DIV FT MADISON		IA	52627		ORTHO RD LEE	X	X	X	X	X	X	X

Figure 13

PROGRAM DISTRIBUTION OF FINDS FACILITIES

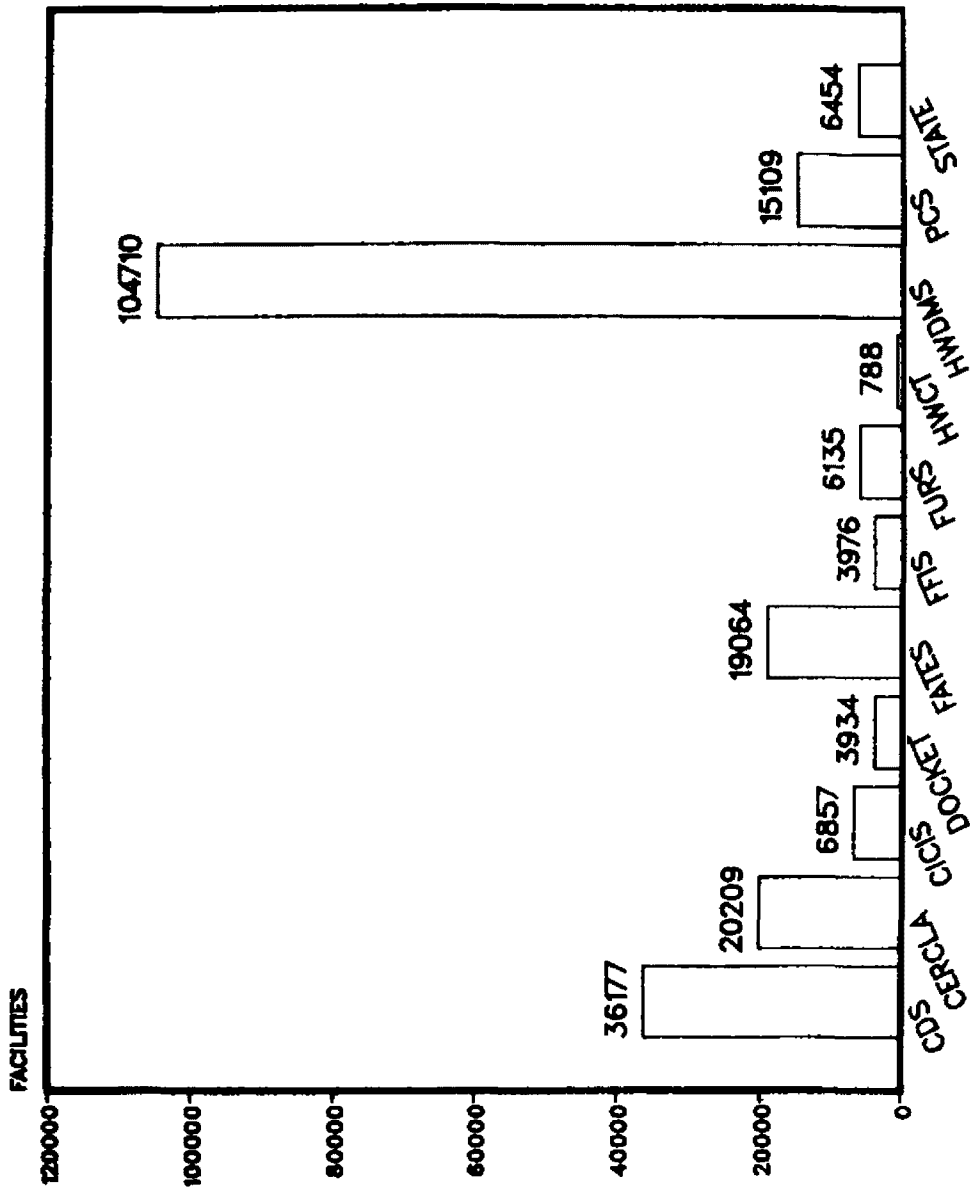


Figure 14

CERCLA DATA BASE STRUCTURE

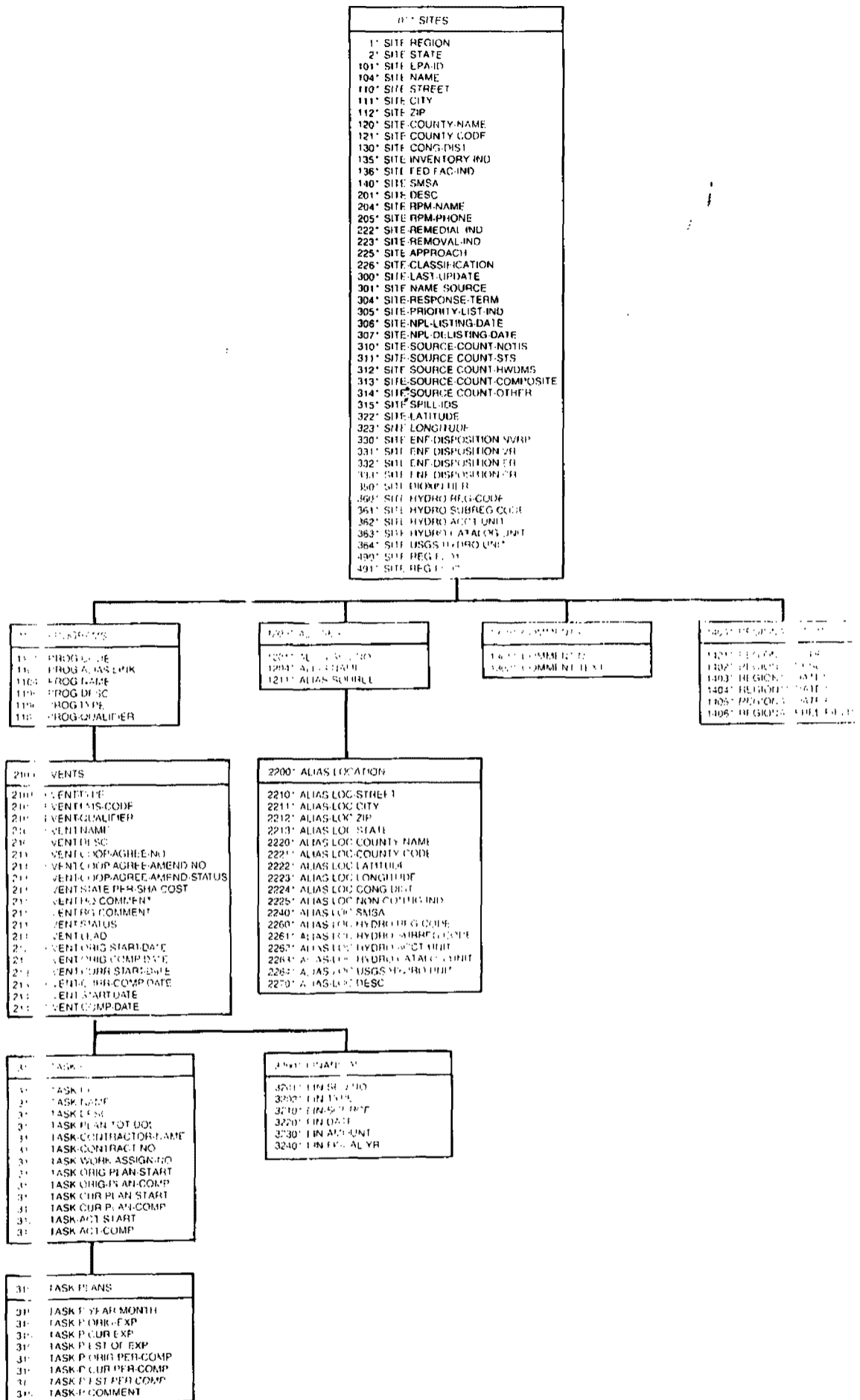
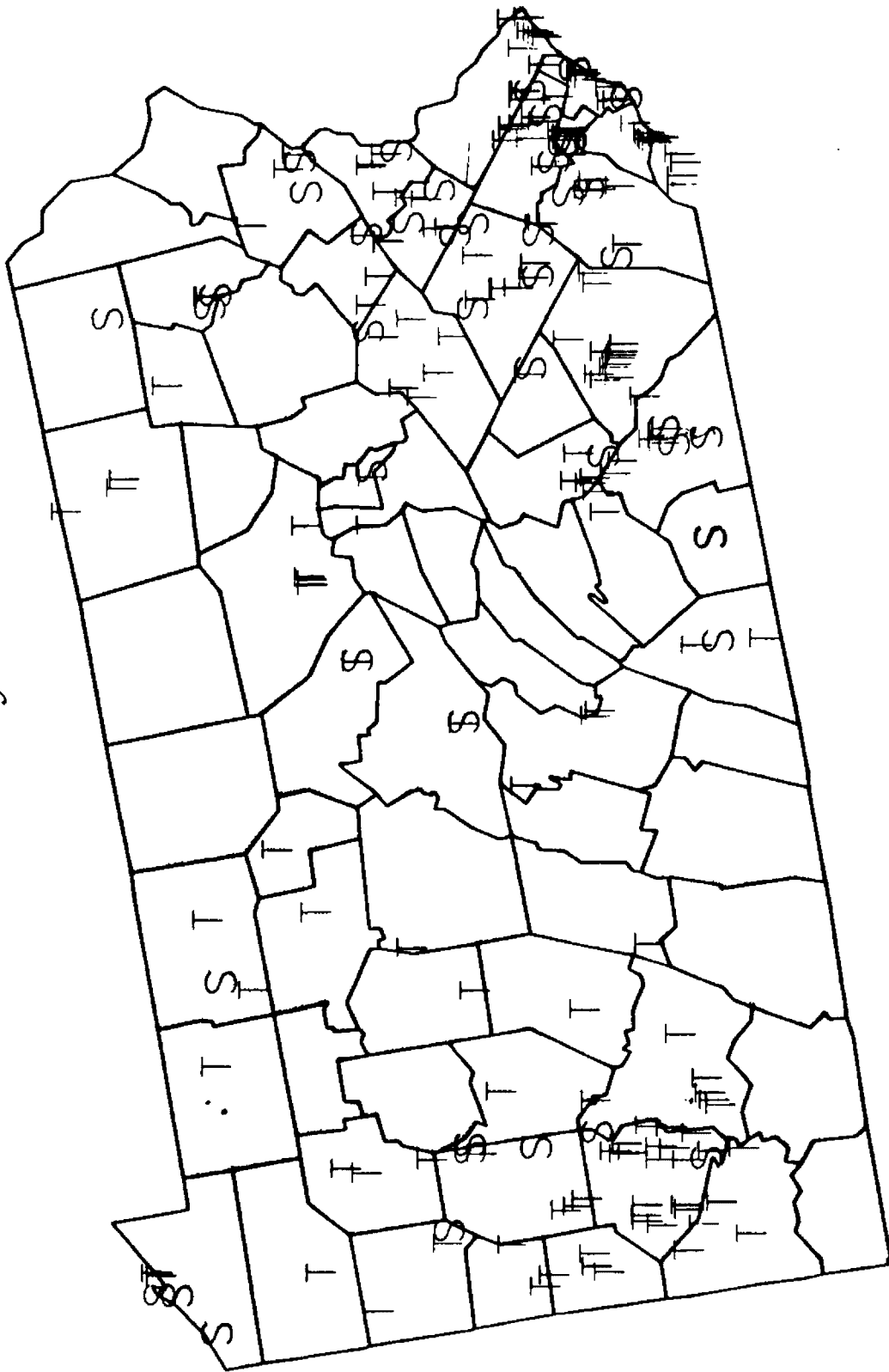


Figure 2

FINDS CERCLIS and RCRA Sites in Pennsylvania



S - SUPERFUND National Priority List Sites
T - RCRA Treatment Storage Disposal Sites

U.S. Environmental Protection Agency
Library, Room 3434 FM-211-A
401 M Street, S.W.
Washington, DC 20460

Figure 15