Region III Oil and Hazardous Substances
Pollution Contingency Plan

Attached is a revised "Contingency Plan for Spills of Oil and Other Hazardous Materials for Inland Waters of Region III" (Delaware, District of Columbia, Maryland, Pennsylvania, Virginia and West Virginia). It replaces the Contingency Plan dated December 1973 and has been prepared in accordance with the "National Oil and Hazardous Substances Pollution Contingency Plan", 40 CFR 1510 dated February 10, 1975.

This Plan provides for a pattern of coordinated and integrated response by Departments and Agencies of the Federal Government to protect the environment from the damaging effects of polluting spills. It also promotes the coordination and direction of Federal, state and local response system and encourages the development of local government and private capabilities to handle such pollution spills.

The objectives of this Plan are to provide for efficient, coordinated and effective action to minimize damage from oil and hazardous substance discharges, including containment, dispersal, and removal. The plan provides for: (a) assignment of duties and responsibilities, (b) establishment and identification of strike forces and emergency task forces, (c) a system of notification, surveillance and reporting, (d) establishment of a Regional Center to coordinate and direct operations in carrying out this Plan, (e) enforcement and investigative procedures to be followed, (f) directions on public information releases, and (g) instruction covering on scene coordination.

In the event of an emergency, in addition to personnel enumerated in this Plan, all the resources of Region III will be available to the Region Response Team.

Daniel J. Snyder III
Regional Administrator
Date AUG 13 1976

TABLE OF CONTENTS

Delegation of Authority
Multi-Regional Actions
Notification
Strike Force
Regional Response Team (RRT)
Primary Agencies - Environmental Protection Agency (EPA)
Department of Transportation (DOT)
Department of Defense (DOD)
Department of Interior (DOI)
Department of Commerce (Commerce)
Designated State Agencies

Advisory Agencies -Atomic Energy Commission (AEC)
Department of Health, Education and Welfare (DHEW)
Department of Justice (Justice)
Department of Housing and Urban Development (HUD)
Department of State (State)
Region III Emergency Support Team
Designated River Basin Commissions
Other Advisory Groups
Equipment Available at RRC
Clean-up Contractors Providing Complete Service

RRC Technical Library
Communications & Reports
Public Information
Enforcement Procedures
Documentation & Cost Recovery
Hazardous Substances
Technical Information
Civil Defense Offices

Delegation of Authority

When required, delegation of authority or concurrence in pollution control activities initially may be oral; however, written confirmation by the EPA representative on RRT will completed as soon as possible.

The Region III EPA representatives will be as follows:

On Scene Coordinator - Howard J. Lamp'l
24 hrs. 215-597-9898

Regional Response Representative - Howard J. Lamp'l
24 hrs. 215-597-9898

Multi-Regional Actions

Region III will serve as On-Scene Coordinator (OSC) and Chairman of the Regional Response Team (RRT) for spills originating in West Virginia. The western boundary of West Virginia is in the Ohio River, 10 yards from the Ohio shore.

Region V will serve as On-Scene Coordinator (OSC) and Chairman of the Regional Response Team RRT) for spills originating in Ohio. The eastern boundary of Ohio is about 10 yards out in the Ohio River.

For spills into or reaching the channel between the two states, the regions will coordinate their activities very closely and establish the On-Scene Coordinator (OSC) and the Chairman of the Regional Response Team (RRT) on a case by case basis.

Region III will be the EPA representative on the Regional Response Team (RRT) for all spills into the Delaware River downstream of Trenton where tidal effects end. Region II will be kept fully informed of the status of response activities.

Region III will be the On-Scene Coordinator (OSC) and Chairman of the Regional Response Team (RRT) for spills originating in West Virginia, and spills in the Big Sandy River and Tug Fork east of the Kentucky border. The eastern boundary of Kentucky is the low water mark, roughly 10 yards out in these two rivers.

Region IV will be the On-Scene Coordinator (OSC) and Chairman of the Regional Response Team (RRT) for spills originating in Kentucky.

Region III will be the On-Scene Coordinator (OSC) and Chairman of the Regional Response Team (RRT) for all other spills in Delaware, District of Columbia, Maryland, Pennsylvania, Virginia and West Virginia.

Notification

Section 311 of the Act requires that all harmful discharges of oil or hazardous substances into or upon the waters of the United States must be reported to the appropriate agency of the United States Government. The Federal agencies designated to receive such reports in Region III are as follows:

	U.S. Coast Guard Duty Officer	Environmental Protection Agency
Virginia	804-441-6704	215-597-9898
Maryland	301-789-8050	215-597-9898
Delaware	215-923-4320	215-597-9898
Pennsylvania (East Coast)	215-923-4320	215-597-9898
Pennsylvania (Pittsburgh Area)	412-644-5807	215-597-9898
Pennsylvania (Lakeside)	216-522-3983	215-597-9898
West Virginia	304-529-2311	215-597-9898
National Response Center	800-424-8802	

UNITED STATES COAST GUARD - EPA BOUNDARIES

NAME	BOUNDARY LINE
Schuylkill River	Fairmont Park Dam
Susquehanna River	Conowingo Dam at Conowingo, Maryland
Philadelphia to Wilmington	Interstate 95
Pa/Del line to Brandywine Creek	I-95 Bridges
Brandywine Creek	First Dam
Christina River	2nd PCRR Bridge
Army Creek (New Castle)	State Route 9 Bridge
Red Zion Creek	all EPA
Cedar Creek (Delaware City)	all C.G.
Dragon Creek	State Route 9 Bridge
C & D Canal	CCGD 5 has pollution responsibility U.S. Army COE has traffic control and salvage responsibility.
C & D Canal south of Frederica	State route 9
Mispillion River	Milford
Cedar Creek	Cedar Beach Bridge
Broadkill River	State Route 14 Bridge
Lewis and Rehoboth Canal	all C.G.
Love Creek	State Route 24 Bridge
Rehoboth Bay	all C.G.
Indian River Bay	all C.G.
Indian River	State Route 24 Bridge (Millsboro)
Vines Creek	State Route 26 (Dumpling Neck) bridge
Assawoman Canal	all C.G.
Miller Creek	first bridge
Dirickson Creek	first bridge
Little Assawoman Bay	all C.G.
Dirickson Neck Bridge separates CCGD3 from CCGD5	(approxomately Del/Md state line)
Va. & D.C. East of I 95	all C.G.
Va. & D.C. West of I 95	all EPA

Strike Force

The National Strike Force (NSF) is available to provide

assistance in Phase III (Containment and Countermeasures), Phase IV (cleanup, mitigation and disposal) and Phase V (Documentation and cost recovery). This NSF consists of three units:

Atlantic	Phone 919-338-1100
Gulf	Phone 601-688-2380
Pacific	Phone 415-556-1342

Regional Response Team

PRIMARY AGENCIES

Environmental Protection Agency (EPA)

On-Scene Coordinator - Howard J. Lamp'l (Region III)
24 hrs. 215-597-9898
Regional Response Representative - Howard J. Lamp'l (Region III)
24 hrs. 215-597-9898

Other EPA Emergency Response Personnel

Washington		Ph. 202-245-3045
Region 1	24 hr.	Ph. 617-223-7265
Region 2	24 hr.	Ph. 201-548-8730
Region 3	24 hr.	Ph. 215-597-9898
Region 4	24 hr.	Ph. 404-526-5062
Region 5	24 hr.	Ph. 312-353-2318
Region 6	24 hr.	Ph. 214-749-3840
Region 7	24 hr.	Ph. 816-374-3778
Region 8	24 hr.	Ph. 303-837-2468
Region 9	24 hr.	Ph. 415-556-6254
Region 10	24 hr.	Ph. 206-442-1200

Department of Transportation - U.S. Coast Guard (USCG)

2nd Coast Guard District, Ph. 314-425-4655, Ext. 4614
FTS 279-4655
COTP Huntington, Ph. 304-675-3160
COTP Pittsburgh, Ph. 412-741-4174
3rd Coast Guard District, Ph. 212-264-4916
Group Cape May, Ph. 609-884-8451
COTP Philadelphia, Ph. 215-923-4320
5th Coast Guard District, Ph. 804-393-9611
Group Norfolk, Ph. 804-441-6704
Group Chincoteague, Ph. 804-336-6511
Group Baltimore, Ph. 301-789-8050
9th Coast Guard District, Ph. 216-522-3983

COTP Cleveland, Ph. 216-522-4404
COTP Buffalo, Ph. 716-842-2000

Department of Defense - Corps of Engineers (COE)

COE District Baltimore, Ph. 301-828-5195
COE District Norfolk, Ph. 804-622-7043
COE District Philadelphia, Ph. 215-649-5702
COE District Buffalo, Ph. 716-876-5454
COE District Wilmington, Ph. 919-763-9435
COE District Charleston, Ph. 803-873-5041
COE District Nashville, Ph. 615-242-2769
COE District Huntington, Ph. 304-525-8332, FTS 924-9684
COE District Pittsburgh, Ph. 412-279-3981

Department of Interior

Bureau of Sports Fisheries and Wildlife, Ph. 617-223-2961
after hours Ph. 617-969-8604
Ken Chitwood, Tinicum N.E.C. Ph. 215-521-0662/3
Geological Survey, Ph. 717-782-3468
after hours Ph. 717-545-7683

Department of Commerce

National Meteorological Center	301-763-7147
National Hurricane Center	305-350-5547
National Weather Service-Pittsburgh	412-644-2890
Phila.	215-597-0844
Wash., D.C.	202-763-8275
Charleston, WV	304-346-7002

Designated State Agencies
(Also see Subregional, State Contingency Plans)

Delaware Ph. 302-678-4761
after hours Ph. 302-674-0455
District of Columbia, Ph. 202-629-2538
after hours Ph. 301-269-1147
Maryland, Ph. 301-267-5551
after hours Ph. 301-269-6716
Pennsylvania, Ph. 717-787-8184
after hours Ph. 717-545-4343
Virginia Ph. 804-786-2241 (Comm) - 8-936-2241 (FTS)
West Virginia Ph. 304-348-6376
after hours Ph. 304-768-2696

ADVISORY AGENCIES

Atomic Energy Commission Ph. 301-973-3222
Department of Health, Education & Welfare Ph. 202-245-6306
Regional Director, Ph. 215-597-3311
Department of Justice
U.S. Attorney Ph. 215-597-2556
Department of Housing and Urban Development
Federal Disaster Assistance Agency, Ph. 215-597-9416
Department of State, Ph. 202-632-9630
Region III Emergency Support Team
Regional Administrator, Daniel J. Snyder III Ph. 215-597-9814
Emergency Coordinator, Alvin R. Morris Ph. 215-597-9812
Environmental Emergency Branch, Howard J. Lamp'l Ph. 215-597-9898
Air Emergency Episodes, Peter Finklestine Ph. 215-597-8185
Air Emergency Incidents, Daniel Fitzgerald Ph. 215-597-9109

(The National Air Pollution Contingency Plan was issued as EPA Order No. 2060.2)

Pesticide Accidents, A.N. Davis Ph. 215-597-9869
Radiation Accidents, Les Bettenhausen, Ph. 215-597-8114
Response to radiation accidents will be in accordance with Section 1510.22(k) of the "National Oil and Hazardous Substances Pollution Contingency Plan" 40 CFR 1510 dated February 10, 1975. The notification Procedure for Radiation Incidents is outlined for Region III in Les Bettenhausen's memo revised 10/30/75.

Office of Congressional and Public Affairs Ph. 215-597-9825 or 215-597-9905

All incidents and accidents in Region III of an emergency nature or of a potential emergency nature should always be reported to the Environmental Emergency Branch, Howard J. Lamp'l Ph. 215-597-9898

Designated River Basin Commissions

Delaware River Basin Commission (DRBC)
Phone 609-883-9500

Ohio River Valley Water Sanitation

Commission (ORSANCO) 24 hr. Phone 513-421-1151
Susquehanna River Basin Commission (SRBC)
Phone 717-737-0501
Interstate Commission on the Potomac River Basin (ICPRB)
Phone 301-652-5758

Other Advisory Groups

Chemtrec (Manufacturing Chemists) Ph. 800-424-9300
NACA (Agricultural Chemists) Ph. 513-961-4300
Poison Center (Medical) Ph. 202-963-7512
NERC Aerial Surveys, Ph. 702-736-2969
Academy of Natural Sciences Ph. 215-564-3921 Ext. 348

Equipment Available at RRC

Dictating/Transcribing Unit
Binoculars
Bridge-Solu (Portable) Model RB-2
Television B & W portable plus videotape recorder
Camera, Television portable
Radios, Walkie-Talkie
pH meter-portomatic
Breathing Appr. (self contained)
" " " "
Cameras
Radio 2-way mobile 35W
Remote Comtrol Unit
Base Station of repeater
Dictating Units (cassette portable)
Dictating & Transcribing Cassette
Telephone/radio portable w/acc.
5 radios 2-way portable, flex antennae
Cameras, 35 MM (with flash)
Portable radio (AM)
Explosimeter
Recorder, portable, tape
Recorder, portable cassette
6 Radios - 2way mobile w/microphone
Vapor-Chemical Suit

Cleanup Contractors Providing Complete Service

Ace Oil Service - Oregon, Ohio	419-726-1521
Almo Anti Pollution Services - Clayton, N.J.	609-227-4333
Amo Pollution Services - Pittsburgh, Pa.	412-331-5350
Armstrong Corp. - Phila., Pa.	215-831-0484
Atlantic Industrial Tank	215-664-9388
Clark Associates - Norfolk, Va.	804-623-0219
Clean Water Inc. - Toms River, N.J.	201-341-3600
Townsend, Md.	301-357-8885
Phila., Pa.	215-497-2215
Coastal Services Inc. - Paulsboro, N.J.	609-423-2700
Elizabeth, N.J.	201-355-8880
Dave McCarthy & Son - Pittsburgh, Pa.	412-782-2987
Delmarva Pollution Control, Claymont, Del.	302-798-9205
Duane Marine - Paulsboro, N.J.	609-423-0576
Hazardous Material Trailer - Edison, N.J.	201-548-8730

Simon Wrecking Co., Williamsport, Pa.	717-326-904
Ohio Hygenic, Findlay, Oh.	419-423-3526
George Goodhues, Baltimore, Md.	301-675-1630
Hulcher Emergency Service, Gettysburg, Pa.	800-537-5471

Heavy Equipment Only

Industrial Marine Services, Norfolk, Va.	804-543-5718
Industrial Waste Removal, Enola, Pa.	717-732-3644
Jabe Construction, Erie, Pa.	814-838-4593
J & J Spill Service	215-277-4511
J & L Industries, Baltimore, Md.	301-488-0800
Metropolitan Petroleum Co., Jersey City, N.J.	201-434-4451
Underwater Technics, Camden, N.J.	609-963-4460
Mid-Atlantic Refinery Services, Inc., Sewell, N.J.	609-589-5000

Private Contractors for Handling Hazardous Wastes

Chem-Trol Pollution Services, Model City, N.Y.	716-754-8231
AENCO Inc., New Castle, DE	302-328-1361
Astropak Corp., Edison, N.J.	201-549-1788
Barclay Cleaning Industries, Allentown, Pa.	215-432-2301
Bethlehem Apparatus Co., Hellertown, Pa.	215-838-7034
Chemfix Corp., Pittsburgh, Pa.	412-343-8611
Chemical Control Corp., Elizabeth, N.J.	201-351-5460
Interstate Oil Transport, Phila., Pa.	215-864-1200
McAllister Bros., Phila., Pa.	215-922-6200
Modern Transportation Co., Kearney, N.J.	201-589-0277
Richard Welch, Churchville, Pa.	215-357-9159
Rollins Environmental Services	609-467-3100
Sitkin Metal Industries Inc., Lewistown, Pa.	717-543-5631
Solvents Recovery Corp., Linden, N.J.	201-925-8600

Ground Water Geologists

Moody & Associates Inc., Pittsburgh, Pa.	814-724-4970
Site Engineers Inc., Phila., Pa.	215-922-5024

Steel Drums

Universal Container	215-627-7288

RRC Technical Library

(1) Current National Oil and Hazardous Pollution Contingency Plan
(2) Current Regional and State Oil and Hazardous Substances Pollution Contingency Plans.
(3) Current Directory of the American Council of Independent Laboratories
(4) Encycolopedia of Chemical Technology, Kirk-Othmer, 2nd Edition (Library TP 9 - E685)
(5) Chemical Data Guide for Bulk Shipment by Water USCG
(6) U.S. Corps of Engineers' Regulations ER-500-1-1
(7) U.S. Corps of Engineers' Regulations ER-500-1-8
(8) Federal Disaster Assistance Program
Handbook for Applicants, 3300.5, Nov. 1974
Eligibility Handbook, 3300.6, Dec. 1974
Handbook for State and Federal Officials, 3300.4, Dec. 1973

(9) Handbook of Toxicology (National Academy of Sciences/ National Research Council)
(10) 46 CFR-146 Transportation or Storage of Explosives or other Dangerous Articles or Substances and Combustible Liquids on Board Vessels.
(11) 33 CFR, 3,6, 121, 122, 124 - Security of Vessels and Waterfront Facilities
(12) 33 CFR, 151, 153, 154, 155, 156 - Implementing section 311 of the Federal Water Pollution Control Act.
(13) 40 CFR, 112, 1510 Implementing section 311 of the Federal Water Pollution Control Act
(14) OHM-TADS Technical Assistance Data System. A complete print-out and user manual.
(15) CHRIS USCG Chemical Hazard Response Information System. 5 volume print-out (This will be available in future)
(16) Chemical Week Buyers Guide (Library over microfiche files)
(17) The Merck Index
(18) Fire Protection
   National Fire Code, Vol. 1
   Guide on Hazardous Materials
   Hazardous Chemicals Data
   Phila. Fire Code
   PA Fire Marshall Division Regulations
(19) Farm Chemicals Handbook
(20) Pesticide Handbook - Entoma
(21) Pesticide Catalog No. 72 - Chem Service
(22) Guidelines for the Disposal of small quantities of Unused Pesticides
(23) Methods of Analytical Methods - Pesticides & Toxic Substances Effects Laboratory
(24) Determining Harmful Quantities and Establishing Rates of Penalty for Hazardous Substances Symposium
(25) Methodologies for Determining Harmful Quantities and Rates of Penalty for Substances, Vol. 1, 2, and 3, - Battelle
(26) The Fate of Select Pesticides in the Aquatic Environment
(27) Pesticide Poisoning of Pond Lick Lake, Ohio - Investigation and Resolution
(28) Emergency Handling of Radioactive and Metallic Fires
(29) Radiation Incident Notification Procedures
(30) Dangerous Properties of Industrial Materials
(31) OSHA Standards
(32) Guidebook to OSHA
(33) U.S. Coast Guard Regulations
   For Cargo and Miscellaneous Vessels
   For Tank Vessels
   For Transportation of Explosives and other Dangerous Materials
(34) USCG Fire Fighting Manual for Tanker Vessels
(35) USCG Oil Pollution Control for Tankermen
(36) USCG Security of Vessels and Waterfront Facilities

(37) MCA Cargo Information Card Manual
(38) MCA Chem-Card Manual
(39) Proceeding Hazardous Polluting Substances Symposium - 1970 USCG
(40) Workshop for Oil and Hazardous Materials - 1972 EPA
(41) FDAA Handbook for Applicants
(42) FDAA Manual for State Officials
(43) FDAA Manual for Federal Officials
(44) Regulations...for Prevention of Spills - A.D. Little, Vol. 1
(45) Control of Spillage of Hazardous Polluting Substances - Battelle
(46) Treating of Hazardous Material Spills with Floating Mass Transfer Media
(47) Control of Hazardous Material Spills
(48) Spill Prevention Techniques for Hazardous Polluting Substances
(49) Hazardous Chemicals Handling and Disposal
(50) Toxic Substances HEW and OSHA
(51) Chemical Data Guide for Bulk Shipment by Water USCG
(52) Chemical Safety Data Sheets - MCA, 4 Volumes
(53) Oil and Hazardous Materials - Multi-Regional Meeting, Nov. 1973
(54) Guidelines for the Disposal of Small Quantities of Unused Pesticides
(55) National Air Pollution Contingency Plan
(56) Contingency Plans for other EPA Regions and USCG.

Communication & Reports

The objectives of communications and reports are to assure that everyone involved, or who might be involved, is informed of the status of spill response. This would include the U.S. Coast Guard, appropriate State agencies, the River Basin Commissions, the drinking water and industrial intakes that might be affected, the National Response Center, and EPA, Washington's Oil and Special Materials Control Division.

When a report of a spill is received at the Regional Response Center it is recorded on the "Incoming Spill Report", logged on the "Spill Log" and assigned a case number. If the facility has not been identified with a SPCC Number a "Facility Identification" Form A is prepared. The information on this form is then entered in the ADP SPCC Data Base System and a SPCC Number is assigned to the facility. Then a "Spill Report" Form S is completed and from this the information on the specific spill is entered in the SPCC Data Base System.

The OSC shall prepare a complete report of the response operation and the actions taken. Investigators should keep a running chronology of events to facilitate the narrative description. Enforcement officials will frequently rely on the expertise and experience of the man on scene to help evaluate what actually happeded and determine future courses of action.

1. BACKGROUND

A. (WHO)

1. Pollutor's Name and Address - enter complete name and address of pollutor or suspected pollutor, include zip code and phone number if possible.

2. Person Reporting Incident - Who notified EPA?

3. Enter name of RRC person receiving the call.

B. (WHAT)

1. Identify the pollutant. Be specific.

2. Quantity spilled. Distinguish between total spilled and total amount in the water, where applicable. This section will be important for legal finding of "harmful quantity" and should be supported in the narrative (Tell how or why the estimate was reach) and with pictures, statements, and records.

3. Quantity Recovered - How much was physically removed

C. (WHEN)

1. Time of Spill - best estimate of what incident started or was discovered.

2. Notification - when EPA or USCG was notified.

3. Containment - when was containment effected or clean-up commenced if no containment, so note.

D. (WHERE)

1. Enter nearest town, county and state as well as site of incident, if possible.

2. Identify the receiving stream, any downstream waters affected, and the concerning waterways between the receiving stream and the first major waterway to which it flows.

E. (WHY)

1. Causation - This is a critical point and should be covered by the chronology, witnesses' statements, photos, and in the conclusions. Enter here (1) the source and reason for the discharge and (2) some causal connection between the pollutor-source and the stream.

II. RESPONSE

A. Time of arrival on scene by OSC.

B. Note any positive actions taken by the pollutor prior to investigators arrival. Was it contained? Were clean-up contractors contacted? By whom?

C. Identify any equipment and personnel on scene. This may help a determination of adequacy of response by the pollutor.

D. Describe the on scene conditions, including weather conditions, visibility, and any possible adverse circumstances.

E. Note if any other Federal, State, or local agencies are present e.g., State environmental, city health, fish and game, municipal police, etc. (include addresses)

III. Technical Data

A. List all witnesses who have information on the cause of the spill and/or the clean-up operation. Note whether their statements are enclosed.

B. If there is a damage assessment (either investigator's on-scene observations or D.A. report) list as enclosure.

C. If any photos were taken, note as enclosure.

D. If diagrams are enclosed, list as an enclosure.

E. If samples were taken, note the list of samples as an enclosure.

If any of the above are not included, it should be noted under comments.

IV. CHRONOLOGY OF EVENTS

A. This should be in the form of a time-log. The following should be established from the chronology:

1. Times of all major developments.

2. How responsibility for the spill was established or assumed.

B. Include a chronology for each day's activities.

C. Use first person, e.g.,

1030 hrs: I spoke to Mr. Smith and informed him that the men on scene was inadequate.

1100 hrs: I observed light slick and 3 dead fish 2.5 miles downstream from spill site.

D. Include the farthest down stream point where pollutant was observed.

E. Identify the method of final disposal e.g. was it reclaimed, sent to re-cycling plant, or disposed of by landfill or incineration, etc.

F. Check SPCC Plan. If over 1000 gals. or second spill within one year, remind spiller he must submit his plan to the Regional Administrator for review.

V. CONCLUSIONS AND RECOMMENDATIONS

A. Conclusions - Conclusions are based on the experience and professional expertise of the investigator and could carry a great deal of weight in a court in law. Words such as "appeared", "believed", or "looked like" should be avoided when expressing a fact. The investigator should evaluate the causes of the spill, the quality and effectiveness of the response, and the co-operation received.

1. Causation - Note: If there were acts of a third party, mechanical failure, personnel errir, or other mitigating circumstances, they should be noted. This section is critical towards a legal finding of liability for clean-up and should be explicit in connecting the alleged pollutor to the pollution itself.

2. Was the response adequate and timely, or did the pollutor merely offer a "bare minimum" or less effort? Do not hesitate to criticize or praise the "technical" capabilities and response of the pollutor as this may help prevent or minimize future problems with the same party. Be sure to evaluate the quality and effectiveness of the containment and removal procedure.

3. Co-operation - Was the pollutor responsive to OSC recommendations and requirements? Did he do all he could? Did he maximize use of all available resources?

B. Recommendations: The investigator should formulate and include recommendations to prevent or minimize the chances for a possible recurrence.

If the investigator "feels" that the spill was "unavoidable" or not a result of negligence and the pollutor's response was fast, efficient, and effective, then it would be appropriate for him to recommend follow-up preventive actions. If, however, he feels that the spill could have been prevented with due care and/or the pollutor was not as responsive as he should have been, then he should so state.

VI. TRANSMITTAL

A. The Branch Chief's endorsement may amplify what the investigator has brought out. He may evaluate items such as gravity of the situation, history of pollution in the area, past record of the pollutor, adequacy of the response, and recommendation as to appropriate legal actions.

It is the responsibility of the OSC to provide the administrator of the Oil Pollution Revolving Fund with sufficient documentation to justify payment of contractors and to proceed against the discharger, if known in order that the Revolving Fund may be reimbursed.

PUBLIC INFORMATION

When a serious pollution discharge occurs, it is imperative that the public be provided promptly with accurate information on the nature of the discharge and what steps are being taken to correct the problem. The procedures to be followed are outlined in Annex VI - Section 1600 of the National Contingency Plan. The responsibility of the Region is covered in Sections 1603, 1604, 1605, 1606, 1607, 1608 and 1609. Generally when an RRT is activated the Chairman's agency will provide a professional public information officer. In EPA's Region III this will be a representative of the Office of Congressional & Public Affairs (24 hour phone 215-597-9825 or 9905).

ENFORCEMENT PROCEDURES

The Federal Statutes, Regulations and Administrative orders relative to spills of oil and other hazardous materials and the

several Departments and Agencies which administer them is outlined in Annex VII - Section 1700 of the National Contingency Plan. In EPA's Region III the OSC's report is forwarded to the appropriate Coast Guard District for assessment of a civil penalty in accordance with Section 311(b)(6) of the Act. In the case of non-notification or Refuse Act violations where criminal penalties are involved the OSC report is transmitted to the Enforcement Division's Legal Branch which prepares the case for the U.S. Attorney.

DOCUMENTATION & COST RECOVERY

A detailed procedure for Documentation and Cost Recovery is provided in Annex VIII Section 1800 of the National Contingency Plan.

If proper documentation, approved by EPA's OSC, is submitted to the appropriate U.S. Coast Guard District, all reasonable costs will be reimbursed from the Fund. A state or other local government agency other than EPA must have made payment for the cleanup prior to reimbursement. EPA may seek reimbursement for funds they expend or may request payments be made to others.

All of the following conditions must exist prior to reimbursement from the Pollution Revolving Fund.

A violation of the FWPCA must have occurred, ie. oil in harmful quantities must have entered into or upon the waters of the United States as defined in 40 CFR 110.4(b).

The pollutor must be unknown, known but fails to accept responsibility or having accepted responsibility has failed, in the judgement of the OSC, to act promptly.

The OSC must determine that removal is necessary.

Removal operations must be in response to phase III or IV of the National Oil and Hazardous Substances Pollution Contingency Plan and will be in compliance with Annex X of that Plan.

If any of the following conditions exist, reimbursement from the Pollution Revolving Fund will <u>not</u> be granted.

Discharge occurs and the pollutor is a Federal or State authority.

Discharge occurs and the pollutor is known and accepts responsibility.

When seeking a Federal Project Control Number the appropriate U.S. Coast Guard District Office should be provided, by the Federal OSC, the following basic information:

A. Map reference for location of discharge.

B. Data on amount spilled (if amount is estimated--basis for estimate).

C. Identification of product discharged.

D. Name and address of proposed clean-up contractor or public works facility.

E. Estimate of cost.

F. Name and affiliation of designated monitor. He may be an employee of the State or other local government agency. The Federal OSC must be satisfied that they have sufficient background in pollution control techniques to carry out the functions and responsibilities of the monitor. The OSC, having the inescapable responsibility for cleanup operations, reserves the prerogative of exercising on scene control himself at any time he feels it prudent to do so.

The monitor shall perform the functions of the OSC as described below:

A. Prepare an "Authorization to Proceed" and deliver it to the contractor or appropriate public works official. A copy is simultaneously forwarded to the Federal OSC.

Suggested Form

AUTHORIZATION TO PROCEED WITH REMOVAL
AND DISPOSAL OF HAZARDOUS MATERIAL SPILL

This is an authorization to proceed with work as ordered by the On-Scene Monitor pending execution of a formal contract. The Contracting Officer will contact you within 48 hours to negotiate a definitive time and materials contract, which will include all the clauses required by law, statute, or regulation.

Service Required

You are to provide all necessary supervision, labor, equipment, and materials for performance of work ordered, in writing, by the On-Scene Monitor.

Termination of services shall be at the convenience of

the State and at the direction of the On-Scene Monitor or the Contracting Officer.

The maximum dollar value of this commitment is $_____

Keep a complete record of all labor, equipment and materials you provide in performance of this work.

Negotiation of Contract

A definitive time and materials contract will be negotiated as soon as possible. Be prepared to present a complete pricing plan which includes all prices for labor, materials, and equipment relevant to the services required.

For contractual information, contact:

Settlement of Contract

Payments will be made by:

Prior to settlement, the contractor shall be expected to present his records on cost accumulation labor, materials, and equipment for examination by the Contracting Officer.

B. Issue "Daily work orders" assigning specific tasks to the contractor or public works force as appropriate (On small spills daily work orders may be written for more than one day but not more than three days).

Suggested Form

DAILY WORK ORDER

Have available 1 supervisor and 5 men at 0700 hrs. to perform the following work:

Place 18 inch harbor boom across stream at main bridge. (Use no more than 600 ft. of boom). Construct two filter fences at tributary stream. Use ¼ inch wire mesh or chicken wire construction. Fences to be constructed across stream, ten feet apart. Place sorbents and change as required. Vacuum truck (min. 3,000 gal. cap.) to be on site for harvest of oil at harbor boom location. All equipment or personnel applied except as I authorize.

C. Maintain copies on file of all pertinent documents as well as contract memoranda of verbal commitment.

D. Confirm verbal commitments in writing as soon as possible.

E. Monitor contractor performance during con tract execution period to insure performance as agreed. Daily performance check-off lists shall be maintained for each contractor engaged. Check-off lists shall include number of hours worked by each employee and the times of equipment use.

DAILY PERFORMANCE CHECK OFF LIST

Contractor:

Supervisor:

Date:

Job Description:

Number men on Job:
Daily Operations Commenced
Hour Secured
Number of Disposal Loads
Materials Utilized

F. Keep Federal RRC informed of the status of the clean-up in accordance with a schedule established by the OSC.

G. Accumulate chronological file of documentation to consist of:

1. Authorization granting approval to proceed subject to later reimbursement.

2. Authorization to Proceed.

3. Copies of contracts.

4. Miscellaneous memoranda.

5. Daily performance check-off lists.
6. Written evidence of initial informal commitments.

7. Written evidence of acceptance of financial responsibility of discharger, if executed.

8. Evidence of equipment expended.

9. Performance evaluation (indicated as "unsatisfactory", "satisfactory", or "excellent".

H. Conduct a full investigation into the cause of the spill.

I. Submit complete contract file to the dispursing authority for initiation of payment to contractor.

In all spill situations close coordination is required between the State elements and the Federal OSC.

When the designated State element desires to supervise the cleanup and will later desire reimbursement from the revolving fund EPA's RRC should be notified.

If the Federal OSC determines that it is appropriate, he will so advise the State element informally followed by formal notification via most rapid means, providing a Federal Project Control Number.

In seeking reimbursement from the Federal Oil Pollution Revolving Fund, a State or other local government agency acting as a monitor will prepare a short letter claim for reimbursement from the Federal Oil Pollution Revolving Fund, attach the investigative report, and forward to the Federal OSC under whose jurisdiction the clean-up was effected.

The OSC will review the file for adequacy and completeness, asking for additional documentation if necessary and, when satisfied with the results, certify the file for reimbursement and forward to the Commander of the Coast Guard District for action.

Commander of the appropriate Coast Guard District will, when satisfied that reimbursement is appropriate, transfer appropriate funds from the Revolving Fund to the State.

HAZARDOUS SUBSTANCES

Once a spill has been discovered, the OSC must determine the severity of the spill and the course of action required. A major concern in the control of hazardous material spills must be the protection of emergency response personnel from dangers of the spilled chemicals which are often extremely toxic, corrosive and explosive.

Identification of Pollutant. The polluting hazardous substance must be identified as soon as possible. If it is not identified, samples should immediately be taken to the nearest Field Office, either Annapolis or Wheeling, for analysis.

Safety Measures. Extreme care must be exercised in the sample collection to prevent personal injury. The hazardous polluting substances should not be allowed to come in contact with the unprotected skin or eyes, and inhalation of vapors should be avoided. If it is necessary to enter a spill area, complete protective clothing should be worn as well as a self-contained breathing apparatus. Approach to the spill area should be made from the upwind side.

Sources of Information. The OSC, after determining the identity of the spilled substance, must have information detailing chemical toxicity in the aquatic environment, flammability, and explosive nature. He should request this comprehensive information from the manufacturer, if known. He should also request any information available from the Manufacturing Chemist Association in the Chem TREC program by calling 800-424-9300. The RRC Technical Library should also be consulted.

Countermeasures. Eleven possible steps including defensive and offensive measures that can be employed in responding to a spill have been identified and are listed below:

1. Notify all water users on the receiving body of water, especially domestic water plants. In the case of moving streams, downstream users should be alerted in the same sequence as the progression of the spill from the initial site.

2. Physically remove all bags, barrels, and/or other containers that may still be leaking to the water body.

3.*Add basic compounds such as sodium bicarbonate, sodium carbonate, or calcium hydroxide to neutralize acid conditions or suppress generation of reaction products.

4.*Add acidic compounds such as acetic acid to neutralize basic solutions.

5. Add specific complexing, chelating, or precipitating agents for the formation of solids or compounds less toxic than the originally spilled contaminant.

6. Utilize large scale equipment to treat contaminated water in-place with powdered activated carbon, a coagulant such as alum, and a polyelectrolyte so that the resulting chemical floc precipitates the powdered carbon. Granular activated carbon can be added to water treatment plant filters. After the contaminant

has passed, the carbon can be treated as a solid waste. A portable activated carbon unit is available from EMSL at Edison.

7. Physically remove flocs, solids and liquids which have sunk to the bottom. In some cases, this could possibly be achieved with equipment similar to swimming pool suction cleaning systems.

8. Boom and skim light solids or liquids floating on the surface. Oil removal equipment may be utilized.

9. Aid natural dilution to reduce concentrations to a level below critical concentrations by methods such as flow augmentation and mechanical mixing.

   * Other bases or acids could be employed. Those recommended were judged to have the least potential for creating detrimental side effects.

10. Contain spilled soluble materials so as to prevent diffusion throughout the aquatic environment. Most countermeasures are more effective with concentrated solutions.

11. Burn off floating volatile materials where air pollution and safety considerations permit.

Listing of Hazardous Substances.

The elements, compounds or their isomer, ions or mixtures listed below, or mixtures or compounds thereof, may present an imminent and substantial danger to the public health or welfare because of poisonous biologically accumulative, persistant, lethal, corrosive, irritating, strongly sensitizing, highly biodegradable, growth inhibiting or stimulating or radioactive properties:

(1) radioactive materials;

(2) the active ingredients of economic poisons registered in accordance with the provisions of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended (7 U.S.C. 135 et seq.) other than those active ingredients included within the provisions of subsection (a)(3) of this section;

(3) and those included in the regulations showing the Designation, Removability, Harmful Quantities and Penalty Rates for Hazardous Substances. These regulations have not been finalized but when they are, they will be included in a revised National Contingency.

Technical Information

The National Contingency Plan in Annex XV, Section 2500, has a comprehensive summary of engineering terms and data which might be useful. The RRC Technical Library is also available.

STATE OFFICIALS

DELAWARE

Governor	Hon. Sherman W. Tribbitt Governor of Delaware State Capitol Dover, Delaware 19901	Office: 302-678-4101
State Director	Col. James W. McCloskey Director Division of Emergency Planning and Operations Delaware City, Delaware 19706	Office: 302-834-4531 NACOM: 5572 Home: 302-993-7701
Deputy	Wilbur D. Kirkwood	Home: 302-368-9264
State Police	Col. George J. Bundell	Office: 302-678-4450

DISTRICT OF COLUMBIA

Mayor	Hon. Walter E. Washington Mayor - Commissioner The District of Columbia Washington, DC 20004	Office: 202-629-4555 FTS: 8-900 + Com. No.
State Director	George R. Rodericks Emergency Planning Director for D.C. Government of the District of Columbia 300 Indiana Avenue, N.W. Room 5007 Municipal Center Washington, DC 20001	Office: 202-629-5151 202-629-3934 NACOM: 5579 Telecopier: 202-629-5151 Home 703-765-1527
Deputy	Richard Boltorff	Home: 703-768-3599
Metropolitan Police		Office: 202-626-2000

STATE OFFICIALS Cont'd.

MARYLAND

Governor	Hon. Marvin Mandel State of Maryland Executive Department Annapolis, Maryland 21404	Office: 301-267-5431
State Director	Maj. General Rinaldo VanBrunt Director The Maryland Civil Defense and Emergency Planning Agency Pikesville, Maryland 21208	Office: 301-486-4422 NACOM: 5573/5580 Home: 301-652-1411
Deputy	Col. Daniel E. Still	Home: 301-795-1707
Operations Officer	James O'Brien	Home: 301-530-4623
State Police	LTC. T. S. Smith	Office: 301-486-3101

PENNSYLVANIA

Governor	Hon. Milton J. Shapp Commonwealth of Pennsylvania Office of the Governor Harrisburg, Pa., 17120	Office: 8-637-2500 Commercial: 717-787-2500
Lt. Governor	Ernest P. Kline	Office: 8-637-3300 Commercial: 717-787-3300
State	Oran K. Henderson Director of Emergency Planning State Council of Civil Defense Room B-151 Transportation and Safety Bldg. Harrisburg, Pa. 17120	Office: 8-593-8150 (24 Hour) NACOM 5571 Telecopier: 8-637-3628 (PENN DOT) Commercial: 717-783-8150
Deputy	Craig Williamson	Home: 717-761-1367
Administrative Officer	Dallas Dick	Home: 717-233-3211
State Police	Col. James Barger	Office: 8-637-6533 Commercial: 717-787-6533
Department Community Affairs	Terry K. Wimmer Dept. of Community Affairs Room 216 South Office Building Harrisburg, Pa. 17120	Office: 8-593-3087 Commercial: 717-783-3087

STATE OFFICIALS Cont'd

VIRGINIA

Governor	Hon. Mills E. Godwin, Jr. Governor of Virginia State Capitol Richmond, Virginia 23219	Office: 8-936-2211 TWX: 710-956-0205 Commercial: 804-770-2211
State Director	George Jones State Coordinator for Emergency Services Office of the Governor 7700 Midlothian Turnpike Richmond, Virginia 23235	Office: 804-272-1441 NACOM: 5574/5582 Telecopier: 8-652-5574 Home: 804-798-5437
Deputy	H. Kim Anderson	Home: 804-288-0751
Operations Officer	Charles C. Sawtell	Home: 804-748-7180
State Police	Col. Harold Burgess	Office: 804-272-1431

WEST VIRGINIA

Governor	Hon. Arch A. Moore, Jr. State of West Virginia Office of the Governor Charleston, West Virginia 25305	Office: 8-885-2000 TWX: 710-930-1832 Commercial: 304-345-2000
State	Richard Weekly Director, WV Office of Emergency Planning Executive Office of the Governor 806 Greenbrier Street Charleston, West Virginia 25311	Office: 8-885-5380 Telecopier: 8-885-5380 NACOM: 5575 Home: 304-984-9463 Commercial: 304-345-5380
Director of Operations	Tom Burns	Home: 304-925-7787
State Police	R. L. Bonar	Office: 304-885-2351

FDAA REGION III OFFICE

Curtis Building
6th & Walnut Streets
7th Floor
Philadelphia, Pennsylvania 19106

Office: 8-597-9416
Telecopier: 8-597-0459
NACOM: 5570
Commercial: 125-597-9416

Duty Office Phone: 215-597-9416 (Answering Service after duty hours)
Region III Answering Service: 215-627-2850

	HOME NUMBERS
Arthur T. Doyle, Regional Director	215-647-2030
Alfred A. Hahn, Deputy Regional Director	215-672-2731
James F. Oesterling, Program Officer/Public Assistance	215-357-8552
Guy F. Brackett, Program Officer/Individual Assistance	609-424-2868
Pete G. Cote, Program Officer/Preparedness	609-667-4576
Alfred DeLucia, Program Officer/Public Assistance	215-336-4018
Madge Overath, Disaster Specialist/Individual Assistance	215-896-7822 215-896-7822
Patricia G. Arcuri Administrative Assistant	215-467-9708
Jane Ann Dobrowolski, Secretary	215-855-4722

TEMPORARY STAFF

Barbara Bosak	609-854-2151
Thelma Brown	215-463-5546
Rosaland Cummings	215-232-8375

FDAA REGION III OFFICE Cont'd	HOME NUMBERS
Samuel Rhodeside	215-947-3555
Blaine Sipler	215-968-3681
Henry Spinelli	215-646-1899
RESERVE CADRE	
Joseph Balaban	215-934-6963
Joan Campbell	215-947-7146
Vincent A. Cooke	215-639-0646
Jean Gomer	215-567-1929
Alfred Jellinek	215-233-3265
Leo Kieve	215-927-1733
Horace Laughead	215-544-2094
Lawrence Laupheimer	215-233-0336
Joan Maloney	215-357-6640
Joseph Morgan	215-672-4676
Joseph P. Munafo	215-544-4848
Robert Neale	215-946-9370
Richard Overath	215-896-7822
Simon Paster	215-664-0625
Miles Potter	215-674-5659
Robert Schmilewske	215-643-3296
Purnell Short	215-673-9838
Clayton Singleton	215-659-2944
Joseph Solimando	609-235-8377
Theodore Van Kuyk	301-261-6119
Robert Witmer	215-688-6810
Phyllis M. Wood	215-257-5821

DISTRICT OF COLUMBIA OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN

The following is a rewrite of the District of Columbia Contingency Plan prepared by the District's Department of Environmental Services. Their plan stands on its own while this plan depends very heavily on the Regional and National Plans.

TABLE OF CONTENTS

I. District of Columbia Laws
II. District of Columbia Agencies
III. Sources of Cleanup Contractors, Equipment and Supplies

I. District of Columbia Laws

Police Regulations of the District of Columbia, Harbor Regulations, Article 29, Section 8, provide that, "No vessel shall discharge, deposit, throw or spill within the harbor, any crude petroleum, gasoline, or other similar volatile inflammable oils, nor shall there be pumped or emptied while in the harbor, the bilge water or any bilge residue from the bilge of any steamship, tugboat, tanker, oil barge or any other watercraft that burns or conveys fuel oil or distillates."

Violation of the Harbor Regulations can result in a fine of not more than three hundred ($300.00) dollars. Police Regulations of the District of Columbia Article 8, Section 4 provide that "No person shall pour, or spill, or permit to drip upon the pavement of any street, alley, or public place in the District of Columbia any kerosene, gasoline, benzine, or other similar oil or oil substance or liquid.

II. District of Columbia Agencies

D.C. Department of Environmental Services

	Home Phone	Office Phone
Narendra Mathur	301-946-0970	202-629-2538
Amarjit Singh	301-424-0175	202-629-2538
Phil Sumner	202-291-4305	202-629-2538
John V. Brink	301-248-7797	202-629-2568
Police	202-626-2000	
Harbor Police	202-626-2401 (24 Hour)	
Water Pollution Control	202-629-3345 (24 Hour)	

Water Resources Management Administration

	Home Phone	Office Phone
J.B. Levesque	301-474-2658	202-629-4496
J.R. Thomas (BWT)	301-449-1843	202-561-9000

Maryland

After Office Hours	301-267-5181	

Montgomery County

Robert B. [illegible]	301-636-1391	301-267-5551

Prince George County

Ronald J. Parise	301-757-5612	301-267-5551
(If contact cannot be made, call):		
J.P. Lewandowski	301-987-0938	301-267-5551
H. Sachs	301-269-6751	301-267-5551

Virginia

After Office Hours	(804-786-2241)
Office Hours	(703-750-9111)

III. Sources of Cleanup Contractors, Equipment and Supplies

See Regional Plan. These Companies can work anywhere in the region. Also in the District the following are available.

"BOOM" - Approximately 400 feet long
Mass Oil Petroleum Company - 1620 South Capitol Street
Boom available 24 hours a day - 7 days a week
Contact: Mr. Arthur Barnes
Phone: 488-7750

"DRI-WHITE" - Absorbent (Not for use in water)
Shurfine Products Corporation
0535 Tucker St., Beltsville, Md.
Business hours 7:30am - 4:30pm
Contact. Mr. Clement Schegel
Phone: 937-0100

1 bag	- $2.75 each
10 bags	- $2.25 each
20 bags	- $2.10 each
40 bags	- $1.91 each
200 bags	- $1.81 each

"SORBENT C" - Absorbent (For use in water)
Steuart Petroleum Company
14 & "M" St., S.E., Mr. Joe Wright, (Phone) 202-546-6982
Mr. Joe Riddle, (Phone) or
Mr. Harry Biller(Phone) EM2-8800
Stock piled at Piney Point Maryland Terminal - Delivery in 48 hours, (301) 994-1200
200-300 bags on hand at D.C. Office
One (1) bag 18 lbs. Vol=4 ft., 3 cost approximately $5.40
Will absorb approximately 18 gallons of oil.

"SAND" - Service trucks with sand and salt jet attachment available with manpower from 6:30 a.m. to 3:00 p.m., Monday - Friday, are housed at DES area garages, viz:
Area 1 - Fort Totten Drive & Brookland Avenue, N.E. - 629-5197
Area 2 - Brentwood Road & "W" St., N.W. - - - - - - - - 629-5751
Area 3 - South Capitol St., S.W. - - - - - - - - - - - 629-8591
Area 4 - South Capitol St., S.W. - - - - - - - - - - - 629-8592
Area 5 - 900 New Jersey Ave., S.E. - - - - - - - - - - 629-2675
Area 6 - 900 New Jersey Ave., S.E. - - - - - - - - - - 629-5270
Area 7 - Brookland Ave., & Bates Rd., N.E. - - - - - - 629-2260
Area 8 - 31st & K Streets, N.W. - - - - - - - - - - - - 629-2944
Area 9 - 900 New Jersey Ave., S.E. - - - - - - - - - - 629-5270
"Special Services, 9th & "O" St., N.W. - - - - - - - - 629-5017
At all other times contact "Special Services."

"STRAW" - National Capitol Parks East - Has control of park area in Anacostia and East side of Potomac River to Fort Washington.
Manpower, tools, straw and trucks available.
Straw stored at Oxon Hill Children Farm.
Indian Head Highway and Capitol Beltway (Route 495).
(Phone: 839-1177
Truck stored at Fort Dupont Park
Contact: Mr. John Guthrie - - - 426-6917
Mr. Ira Hutchison - - 426-6917
Mr. Saylor - - - - - - 426-6917
Mr. Roger Sulcer - - - 426-6917

"STRAW" - National Capitol Parks West-Rock Creek and tributaries. Approx. 10 bales of straw at stables.
Contact: Safety Officer - Mr. Polemus - 523-5557
Chief of Maint.- Mr. Harold Hagen - 523-5433
Area Supv. - Mr. James Fugate - 426-6835
Supt. - Mr. Luther Burnett - 523-5555
Asst. Supt. - Mr. Bill Jones - 523-5556
Between 7:30 a.m. and 4:00 p.m. Monday thru Friday
At other times contact: U.S. Park Police, Rock Creek Substation
Phone - 426-7716
(Desk Sergeant) - 426-6680

VIRGINIA OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN

The following is a rewrite of the Virginia Contingency Plan prepared by the Virginia Water Control Board. This plan as revised depends very heavily on the Regional and National Plans.

TABLE OF CONTENTS

I. Virginia Laws

II. Virginia State Agencies

- A. State Water Control Board
- B. State Assisting Agencies
- C. Scientific Advisory Groups
- D. Home Phone Numbers
- E. State Police
- F. Fire Departments

III. Sources of Cleanup Contractors, Equipment and Supplies

- A. Cleanup Contractors
- B. Cleanup Cooperatives
- C. Waste Oil Disposal

I. Virginia Laws

The "State Water Control Law," Code of Virginia, 1950, as amended through 1974 provides for the control of discharges into State Waters. Articles 7 and 8, Section 62, 1-95 (miscellaneous offenses) of the Code of Virginia provides for the control and the enforcement of oil discharges into navigable tidal waters of the State. The State Water Control Board Law contains provisions regarding the control of "other wastes," the definition of which includes oil. Under this section, the State Water Control Board is empowered to require the installation of such facilities as are necessary to prevent the escape, flow, or discharge of oil or other wastes to the waters of the State. The general enforcement authority of the Board would be applicable to any pollution or fish kills caused by a spill of oil, hazardous materials, or other wastes.

II. Virginia State Agencies

A. State Water Control Board

WCB offices - State (Richmond) Ph. 804-786-2241, Northern (Springfield) Ph. 703-750-9111, Piedmont (Richmond) Ph. 804-786-5401, Southwest (Abingdon) Ph. 703-628-5183, Tidewater (VA Beach) Ph. 804-498-8742, Valley (Bridgewater) Ph. 703-828-2595, West Central (Roanoke) Ph. 703-563-0354, Kilmarnock Ph. 804-435-3181, Charlottesville Ph. 804-293-3031.

Ph. 703-828-2595, West Central (Roanoke) Ph. 703-563-0354, Kilmarnock Ph. 804-435-3181, Charlottesville Ph. 804-293-3031.

B. State Assisting Agencies

State Health Department (Richmond) Ph. 804-786-6277, VA Institure of Marine Science (Gloucester Point) Ph. 804-642-2111, VA Marine Resources (Newport News) Ph. 804-245-2811, Consolidated Laboratory Services, Paul J. Mason (Richmond) Ph. 804-786-7746, Highway Department (Fulton) Ph. 804-786-6170, VA Department Agriculture and Commerce, Harry K. Rust (Report Pesticide Complaints) Ph. 804-786-3798, VA Soil and Water Conservation Commission, Henry Williamson (Report Siltation, Erosion/sediment) Ph. 804-786-2064.

C. Scientific Advisory Groups

VA Chemical Co., Bud Phillippe Ph. 804-484-5000, American Oil Co., Gene Echols Ph. 804-898-5418, Allied Chemical Co., Wayne Sullivan Ph. 804-458-7811, E.I. Dupont Spruance Plant, Gerry Thomas Ph. 804-275-8311, Continental Can Co., Ike Core Ph. 804-458-9831.

D. Home Phone Numbers

Field Studies: M.A. Bellanca 804-272-8463, G. E. Moore 804-526-8798, R.S. McIvor 804-732-6615, T.M. Selvey Ph. 804-355-8172, J.V. Roland 804-272-4975

Enforcement: D.S. Bailey 804-288-8697, Jake Hamrick 804-276-2343.

E. State Police

Division	Route	Location	Telephone
One	1	4 miles North of Richmond	804-266-2441
Two	15	4 miles North of Culpepper	703-825-8315
Three	460	2 miles West of Appomattox	804-352-7178
Four	11	5 miles East of Wytheville	703-228-3131
Five	13	5 miles South of Route 58-Chesapeake	804-420-3410
Six	11	3 miles West of Salem	703-389-5451

F. Fire Departments

The Fire Departments in Virginia are mostly volunteer and cover nearly every town in the State. They can be located through the local telephone offices.

III. Sources of Cleanup Contractors, Equipment and Supplies

A. Cleanup Contractors - See Regional Plan - These companies can work anywhere in the region. Also in Virginia: Norfolk Shipbuilding and Drydock (Norfolk - booms, sorbents, manpower, boats and small spill capability) Ph. 804-545-3551, Liquid Waste Disposal (Richmond - pumps, vacuum truck, limited manpower, sorbents and small spill capability) Ph. 804-232-2344, Petroleum Engineering Co. (Norfolk - sorbents (polyurethane), limited manpower, small booms, small spill capability) Ph. 804-855-2274. Butch Corsetti, Inc., Manpower, boat, pumps, sorbents, small spill capability, Ph. 703-591-7844, Fairfax, Virginia.

B. Cleanup Cooperatives - Fairfax City Petroleum Terminals Ph. 703-591-4500, Hampton Roads Ph. 804-423-1080, Roanoke Valley Ph. 703-774-4491/6169.

C. Waste Oil Disposal - A.C. Oil Co. (Arlington) Ph. 703-522-4640, L&L Waste Oil Service (Richmond) Ph. 804-232-7666, Jones Lane (Chesapeake) Ph. 804-523-5846, Necessary Waste Oil Co., (Bristol) Ph. 703-669-4831, J.J. Russel (Winchester) Ph. 703-662-1529, Costoff Inc. (Richmond) Ph. 804-233-3036, Liquid Waste Disposal (Richmond) Ph. 804-232-2344, Browning-Ferris Industries (Chester) Ph. 804-748-6378, City Waste Oil Service (Muikerk, Md.) Ph. 301-953-2394, Baumgardner Waste Oil Co. (Chambersburg, Pa.) Ph. 717-254-9440, Waste Oil Service (Fayettesville, Pa.) Ph. 717-352-7078. Landfill Disposal must be approved by the VA Bureau of Solid Waste and Vector Control (R.E. Dorer) Ph. 804-627-4511.

JURISDICTION	COORDINATOR	DIRECTOR
Accomack Co. Region III P. D. 22	H. V. Ewell, Jr. **Bloxom, Va. 23308 Bus: 804-665-5062 Res: 804-665-4062	*E. M. Williams, Jr. Accomac, Va. 23301 Bus: 804-787-4289 Res: 804-787-1497
Albemarle Co. Region II P. D. 10	DEPUTY COORDINATOR Ms. Linda Nisbet P. O. Box 911 Charlottesville, Va. 22902 Bus: 804-296-6151 Res: 703-456-6322	Gerald E. Fisher 202 County Office Bldg. Charlottesville, Va. 22901 Bus: 804-924-3796 Res: 804-293-4390
Alleghany Co. Region I P. D. 5	*Nelson E. Thomas **Courthouse Covington, Va. 24426 Bus: 703-962-4918 Res: 703-863-8646	David Waters 602 Midland Trail Road Covington, Va. 24426 Bus: 703-962-2549 Res: Same
Amelia County Region III P. D. 14	*Phillip F. Boepple **County Administrator's Office Amelia, Va. 23002 Bus: 804-561-3039 Res: 804-561-2311	J. Garfield Dillard Route 3 Amelia, Va. 23002 Bus: 804-561-4094 Res: 804-561-2406
Amherst Co. Region I P. D. 11	*Roy C. Mayo, III **P. O. Box 390 Amherst, Va. 24521 Bus: 804-946-7206 Res: 804-946-7260	J. B. McDearmon Amherst Virginia 24521 Bus: 804-946-5482 Res: 804-946-7195
Appomattox Co. Region I P. D. 11	*Raymond A. Noble **Travelers Inn Motel, Box 505 Appomattox, Va. 24522 Bus: 804-352-7451 Res: Same	S. R. Lawson 110 Court Street Appomattox, Va. 24522 Bus: 804-352-7178 Res: 804-352-7745
Arlington Co. Region II P. D. 8	*Cary W. Massie **Fire Dept. Headquarters 1020 North Hudson Street Arlington, Va. 22201 Bus: 703-558-2484 X2485 Res: 703-524-4573	W. V. Ford Courthouse 1400 North Courthouse Rd. Arlington, Va. 22201 Bus:703-558-2781 X2401 Res: 703-538-6175
Augusta Co. Region II P. D. 6	*Steve Crosby **P. O. Box 448 Staunton, Va. 24401 Bus: 703-885-8931 Res: 703-885-5673	C. Kenneth Landes Route 1, Box 194 Mt. Sidney, Va. 24467 Bus: 703-433-6117 Res: 703-886-1473

JURISDICTION	COORDINATOR	DIRECTOR
Bath Co. Region II P. D. 6	E. S. Solomon P. O. Box R Hot Springs, Va. 24445 Bus: 703-839-2911 Res: 703-839-2104	**John M. Trimble P. O. Box 127 Warm Springs, Va. 24482 Bus: 703-839-2661 Res: 703-839-2133
Bedford City Region I P. D. 11	*D. Keith Cook, City Manager **P. O. Box 807 Bedford, Va. 24523 Bus: 703-586-8974 Res: 703-586-0851 Emer: 703-586-1066	B. W. Saunders, Mayor 1517 Oakwood Street Bedford, Va. 24523 Bus: 703-586-8178 Res: 703-586-9060
Bedford Co. Region I P. D. 11	*Irving C. Latham **P. O. 234 Bedford, Va. 24523 Bus: 703-586-0179 Res: 703-297-4990	John P. Oliver Route 1, Box 409 Coleman Falls, Va. 24536 Bus: 804-229-5911 X268 Res: 804-229-5519
Bland Co. Region I P. D. 3	*Thomas E. Mallory, Jr. **Rt. 1, Box 168-B Bland, Va. 24315 Bus: 703-688-3300 X333 Res: Same	Thomas B. Dunn P. O. Box 158 Bland, Va. 24315 Bus: 703-688-3316 Res: 703-688-3305
Botetourt Co. Region I P. D. 5	DEPUTY COORDINATOR *C. T. Kennedy **P. O. Box 277 Buchannan, Va. 24066 Bus: 703-254-1212 Res: 703-254-2600	Harold E. Wilhelm Botetourt Co. Vocational School Fincastle, Va. 24090 Bus: 703-473-8216 Res: 703-992-2461
Brunswick Co. Region III P. D. 13	*Jessie L. Fowler, Jr. **P. O. Box 13 Lawrenceville, Va. 23868 Bus: 804-848-3107 Res: 804-949-7348	S. J. Brandon Route 4 Blackstone, Va. 23824 Bus: 804-676-2017 Res: Same
Bunchana Co. Region I P. D. 2	*Edward A. Matney **P. O. Box 951 Grundy, Va. 24614 Bus: 703-935-2745 Res: 703-498-4072	Julius Hall Hurley, Va. 24620 Bus: 703-566-8196 Res: Same
Buckingham Co. Region III P. D. 14	*Allan Williams, Co. Admin. **Buckingham, Va. 23921 Bus: 804-969-4371 Res: 804-983-2902	M. F. LeSuer Arvonia, Va. 23004 Bus: 804-581-3214 Res: 804-581-3255

JURISDICTION	COORDINATOR	DIRECTOR
Campbell Co. Region I P. D. 11	*Clarence B. Wohr, Jr. **9106 Oakland Circle Lynchburg, Va. 24502 Bus: 804-239-3255 Res: 804-239-2510	William R. Moore Route 3, Box 138 Lynchburg, Va. 24504 Bus: 804-846-4815 Res: 804-845-7714
Caroline Co. Region II P. D. 16	*A. Lee McCawn P. O. Box 424 Bowling Green, Va. 22427 Bus: 804-633-9831 Res: 804-353-8361	Luther D. Morris Route 3, Box 268 Ruther Glen. Va. 22546 Bus: 804-355-7961 X343 Res: 804-994-2793
Carroll Co. Region I P. D. 3	Moir C. Marsh Cana, Va. 24317 Bus: None Res: 703-755-3230 ASSISTANT DEPUTY COORDINATOR Walter Johnson Route 1, Box 337-F Fries, Va. 24330 Bus: 703-744-2121 Res: 703-744-2298	G. Mason Cloud Route 2 Fancy Gap, Va. 24328 Bus: 703-398-2208 Res: Same
Charles City Co. Region III P. D. 14	*Lloyd O. Jones **P. O. Box 38 Charles City, Va. 23030 Bus: 804-829-2403, 795-2023 Res: 804-829-2057	Richard M. Bowman P. O. Box 1 Charles City, Va. 23030 Bus: 804-829-2271 Res: Same
Charlotte Co. Region III P. D. 14	*George A. Harris, Jr. **P. O. Box 66 Charlotte Courthouse, Va. Bus: 804-542-5345 Res: Same	Millard B. Rice Phenix, Va. 23959 Bus: 804-542-5761 Res: Same
Chesterfield Co. Region III	*Robert L. Eanes **Chesterfield County Office Chesterfield, Va. 23832 Bus: 804-748-1360 Res: 804-748-6240	M. W. Burnett Chesterfield Virginia 23832 Bus: 804-748-1211 Res: 804-275-1596
Clarke Co. R Region II P. D. 7	*Hugh Everett, Jr. **100 North Church Street Berryville, Ca. 22611 Bus: 703-955-1234 Res: 703-955-2194	J. D. Hardesty Route 1 Berryville, Va. 22611 Bus: 703-955-3842 Res: 703-955-2127

JURISDICTION	COORDINATOR	DIRECTOR
Craig Co. Region I P. D. 5	*Rex Hale **501 Holcombe Avenue New Castle, Va. 24127 Bus: 703-864-5452 Res: 703-864-5711	Zane M. Jones Route 1 New Castle, Va. 23127 Bus: 703-864-6329 Res: Same
Culpeper Co. Region II P. D. 9	*Richard Nalle **P. O. Box 72 Culpeper, Va. 22701 Bus: 703-825-8942 Res: 703-825-9626	Roy C. Burke, Jr. Brandy Station Virginia 22714 Bus: 703-825-8371 Res: 703-825-9192
Cumberland Co. Region II P. D. 14	*David E. Meinhard **Route 3 Cumberland, Va. 23040 Bus: 804-492-2822 Res: Same	Eldridge W. Sanderson Cartersville Virginia 23027 Bus: 804-375-3618 Res: Same
Dickenson Co. Region II P. D. 2		*John Yates **Board of Supervisors Clintwood, Va. 24228 Bus: 703-926-4549 Res: 703-865-5333
Dinwiddie Co. Region III P. D. 19	*W. C. Knott **P. O. Box 366 Dinwiddie, Va. 23841 Bus: 804-469-7273 Res: 804-469-7316	Milton I. Hargrade, Jr. P. O. Box 201 Hopewell, Va. 23860 Bus: 804-458-9831 Res: 804-469-7416
Essex Co. Region II P. D. 18	*Willie A. Cleaton **P. O. Box 1025 Tappahannock, Va. 22560 Bus: 804-443-2200 or 443-2761 Res: 804-443-4252	A. Jack Andrews Route 1, Box 22 Tappahannock, Va. 22560 Bus: 804-443-2601 Res: Same
Fairfax Co. Region II P. D. 8	**J. Hamilton Lambert Fairfax County Government 4100 Chain Bridge Road Fairfax, Va. 22030 Bus: 703-691-2315 Res: 703-777-4790	Robert W. Wilson Fairfax County Government 4100 Chain Bridge Road Fairfax, Va. 22030 Bus: 703-691-2531 Res: 301-654-2318
Fauquier Co. Region II P. D. 9	*R. H. Beach **County Office Building Warrenton, Va. 22186 Bus: 703-347-9550 X280 Res: 703-347-3712	Robert L. Gilliam c/o Northern Va. Shopping Center Warrenton, Va. 22186 Bus: 703-347-2104 Res: 703-347-7191

JURISDICTION	COORDINATOR	DIRECTOR
Floyd Co. Region I P. D. 4	*H. P. Jennings **P. O. Box 102 Floyd, Va. 24091 Bus: 703-745-4123 Res: 703-745-2656	William L. Whitlock Route 4, Box 62 Floyd, Va. 24901 Bus: 703-745-4337 Res: Same
Fluvanna Co. Region II P. D. 10		*Ernest W. Morris **Kents Store Virginia 23084 Bus: 804-589-8357 Res: Same
Franklin Co. Region I P.D. 12	*Samuel D. Quinn **County Ofc. Bldg., Room 302 Rocky Mt., Va. 24151 Bus: 703-483-1315 Res: 703-483-4586	Blaine Halterman RFD 2 Boones Mill, Va. 24065 Bus: 703-334-5407 Res: Same
Frederick Co. Region II P. D. 7	*David G. Dickson Nine Court Square Winchester, Va. 22601 Bus: 703-667-2365 Res: 703-662-6332	S. Roger Koontz Rt. 5, Box 608 Winchester, Va. 22601 Bus: 703-662-4781 Res: 703-662-2973
Giles Co. Region I P. D. 4	*Jay L. Tilton **The Law Building 507 Wenonah Ave. Pearisburg, Va. 24134 Bus: 703-921-2527 Res: 703-921-3808	Thurman M. Mutter 405 Easton Road Pearisburg, Va. 24134 Bus: 703-921-3515 Res: 703-921-1297
Gloucester Region II P. D. 18	*William W. Fries **P. O. Box 329 Gloucester, Va. 23061 Bus: 804-693-4042 Res: 804-693-4221	W. E. Belvin P. O. Box 77 Gloucester Point, Va. 23062 Bus: 804-642-2170 Res: 804-642-4532
Goochland Co. Region III P. D. 15	*Wayne Pryor **Route 2 Goochland, Va. 23063 Bus: 804-457-3195 Res: Same	James T. Taylor P. O. Box 151 Goochland, Va. 23063 Bus: 804-556-6311 Res: 804-556-4247
Grayson Co. Region I P. D. 3	*Lars Christensen **RFD 1, Box 293 Elk Creek, Va. 24326 Bus: 703-655-4658 Res: Same	Fred Adams, Jr. RFD 4, Box 259 Galax, Va. 24333 Bus: 703-236-6181 Res: 703-236-5459

JURISDICTION	COORDINATOR	DIRECTOR
Greene Co. Region II P. D. 10	*William S. Price, Jr. **Box 308 Stanardsville, Va. 22973 Bus: 804-985-2222 Res: 804-985-7839	James A. Henshaw P. O. Box 108 Ruckersville, Va. 22968 Bus: 804-985-2357 Res: Same
Greensville Co. Region III P. D. 19	*Jerry L. Davis **P. O. Box 109 Emporia, Va. 23847 Bus: 804-634-2038 Res: 804-634-9094	John R. Woodruff, Jr. P. O. Box 109 Emporia, Va. 23847 Bus: 804-634-4394 Res: Same
Halifax Co. Region III P. D. 13	*R. L. Lacy **P.O. Box 801 Halifax, Va. 24558 Bus: 804-476-2002 Res: 804-476-6427	Thomas H. Bass Route 3 South Boston, Va. 24592 Bus: 804-753-2114 Res: Same
Hanover Co. Region III P. D. 15	*Michael Harman **Fire Chiefs Office Rt. 1, Box 495A Ashland, Va. 23005 Bus: 804-798-9183 or 9184 Res: 804-798-8829	
Henrico Co. Region III P. D. 15	*Walter R. Stickel **P. O. Box 27032 Richmond, Va. 23261 Bus: 804-353-0677 or -353-2770, 2778, 2779 Res: 804-737-1766	E. A. Beck P. O. Box 27032 Richmond, Va. 23261 Bus: 804-649-1461 Res: 804-288-5175
Henry Co. Region I P. D. 12	*John M. Richardson, Jr. **Henry County Courthouse Martinsville, Va. 24112 Bus: 703-638-1031 Res: 703-629-7311	S. E. Moran Route 2 Bassett, Va. 24055 Bus: 703-629-2222 Res: Same
Highland Co. Region II P. D. 6	*Marvin L. Eagle **Monterey, Va. 24465 Bus: 703-468-3391 Res: Same	H. L. Puffenbarger Blue Grass, Va. 24413 Bus: 703-474-2822 Res: Same
Isle of Wight Co. Region III P. D. 20	John J. Jackson (Acting) Isle of Wight Courthouse Isle of Wight, Va. 23397 Bus: 804-357-3191 Res: 804-357-7484	*George F. Walls **Isle of Wight Virginia 23397 Bus: 804-357-4456 Res: 804-357-5218

JURISDICTION	COORDINATOR	DIRECTOR
James City Co. Region III P. D. 20	James Oliver, Jr. P. O. Box JC Williamsburg, Va. 23185 Bus: 804-220-1122 Res: Unlisted EOC: 804-564-3365	David W. Ware, Jr. P. O. Box 271 Norge, Va. 271 Bus: 804-564-3396 Res: 804-564-9724
King George Co. Region II P. D. 16	*Richard A. Arbore, Acting **King George Co. Courthouse P. O. Box 198 King George, Va. 22485 Bus: 703-775-9181 Res: Unlisted	
King & Queen Co. Region II P. D. 18	*Charles W. Smith **King & Queen Courthouse Virginia 23085 Bus: 804-785-7955 Res: 804-769-3273	Robert Bourne, Jr. Shanghal Virginia 23158 Bus: 804-785-5742 Res: Same
King William Co. Region II P. D. 18	*Charles M. Waddell **King William Courthouse King William, Va. 23086 Bus: 804-769-2671 Res: 804-769-2197	Benjamin J. Skinner West Point Virginia 23181 Bus: 804-843-3252 Res: 804-843-3642
Lancaster Co. Region II P. D. 17	*Harry C. Dittler **RFD #1 Lancaster, Va. 22503 Bus: 804-462-6725 Res: Same	John E. Houghton P. O. Box 99 Kilmarnock, Va. 22482 Bus: 804-435-1703 Res: 804-435-1717
Lee Co. Region I P. D. 1	*Ronald T. Bowen **405 Forest Avenue Pennington Gap, Va. 24277 Bus: 703-546-1773 Res: 703-546-1497	J. K. Newman Route 1, Box 139 St. Charles, Va. 24282 Bus: 703-383-4761 Res: Same
Lexington City Region II P. D. 6	John V. Doane **300 East Washington Street Lexington, Va. 24450 Bus: 703-463-7133 Res: 703-463-7822	Dr. C. F. Phillips, Jr. Lexington Virginia 24450 Bus: 703-463-9111 Res: 703-463-5409
Loudoun Co. Region II P. D. 2	*Oliver R. Dube **65 Gibson Street, Bldg. A Leesburg, Va. 22075 Bus: 703-777-2243 Res: 703-777-7075	William C. Crossman, Jr. P. O. Box 68, Brookmead Farm Upperville, Va. 22176 Bus: 703-592-3337 Res: Same

JURISDICTION	COORDINATOR	DIRECTOR
Louisa Co. Region II P. D. 10	C. Edward Kube, Jr. P. O. Box 27 Louisa, Va. 23093 Bus: 703-967-0401 Res: 703-854-4494	**A. G. Johnson Mineral Virginia 23117 Bus: 703-894-4462 Res: Same
Lunenburg Co. Region III P. D. 14	*R. W. Williams **P. O. Box 575 Victoria, Va. 23974 Bus: 804-696-2343 Res: 804-696-3355	W. C. Thompson Ft. Mitchell, Va. 23941 Bus: 804-372-3305 Res: Same
Lynchburg City Region I P. D. 11	*James H. Bomar **Grace Street Fire Station 2006 Grace Street Lynchburg, Va. 24504 Bus: 804-847-1336 Res: 804-237-0476	David B. Norman P. O. Box 60 Lynchburg, Va. 24505 Bus: 804-847-1446 Res: 804-384-5549
Madison Co. Region II P. D. 9	*Richard W. Walrond **Star Route 3, Box 239 Rochelle, Va. 22738 Bus: 703-672-4858 Res: Same	Alvin R. Lohr Rochelle Virginia 22738 Bus: 703-948-3333 Res: 703-672-1437
Mathews Co. Region II P. D. 18	*Wallace B. Twigg, Jr. **P. O. Box 497 Mathews, Va. 23109 Bus: 804-725-2131 Res: 804-725-3808 804-725-5614	J. Arthus Robins Diggs Virginia 23045 Bus: 804-725-2327 Res: Same
Mecklenburg Co. Region III P. D. 13	*M. J. Sharbaugh **P. O. Box 307 Boydton, Va. 23917 Bus: 804-738-6488 Res: 804-372-3213	Mark I. Burnett Buffalo Junction, Va. 24592 Bus: 804-374-8260 Res: Same
Middlesex Co. Region II P. D. 18	William A. Saunders, III P. O. Box 36 Saluda, Va. 23149 Bus: 804-758-2444 Res: Same	*W. Aubrey Hall **P. O. Box 157 Urbanna, Va. 23175 Bus: 804-758-5387 Res: 804-758-2464
Montgomery Co. Region I P. D. 4	*Louis E. Barber **P. O. Box 806 Christiansburg, Va. 24073 Bus: 703-382-3131 Res: 703-382-8534	William T. Winder 205 West Main Street Christiansburg, Va. 24073 Bus: 703-382-4401 Res: 703-382-9534

JURISDICTION	COORDINATOR	DIRECTOR
Nelson Co. Region II P. D. 10	*Richard Sperry **Courthouse, P. O. Box 336 Lovingston, Va. 22949 Bus: 804-263-4873 Res: 804-831-2452	Dr. James H. Gamble Lovingston Virginia 22949 Bus: 804-263-3131 Res: 804-263-5138
New Kent Co. Region III P. D. 15	*Robert C. Klepper **P. O. Box 50 New Kent, Va. 23724 Bus: 804-966-2764 Res: 804-932-4200	R. E. Bowyer P. O. Box 371 West Point, Va. 23181 Bus: 804-843-5262 Res: 804-843-3581
Northampton Co. Region III P. D. 22	*R. Keith Bull **P. O. Box 816 Eastville, Va. 23347 Bus: 804-678-7720 Res: 804-678-5428	J. T. Holland Nassawadox, Va. 23413 Bus: 804-442-9011 Res: 804-442-7904
Northymberland Co. Region II P. D. 17	*John E. Burton **Route 3, Box 291 Heathsville, Va. 22473 Bus: 804-580-7666 Res: 804-580-4833	James V. Garland, Jr. P. O. Box 22 Village, Va. 22570 Bus: 804-529-7415 Res: Same
Norton City Region I P. D. 1	*J. Earle Brown **P. O. Box 618 Norton, Va. 24273 Bus: 703-679-1160 Res: 703-679-0964	Ike Fultz, Mayor P. O. Box 618 Norton, Va. 24273 Bus: 703-679-1160 Res: 703-679-1087
Nottoway Co. Region III P. D.	*Ronald E. Roark, County Admin. **Nottoway Courthouse Nottoway, Va. 23955 Bus: 804-645-8696 Res: 804-292-3092	C. S. Hooper, Jr. c/o Southside Electric Co. Crewe, Va. 23930 Bus: 804-645-7721 Res: 804-645-7336
Orange Co. Region II P. D. 7	*John G. Hull **P. O. Box 231 Orange, Va. 22960 Bus: 703-672-1555 Res: Same	R. C. Edwards 196 Red Hill Road Orange, Va. 22960 Bus: 703-672-1072 Res: 703-672-2394
Page Co. Region II P. D. 7	*George A. Candea **RFD 3, Box 78 Luray, Va. 22835 Bus: 703-743-4142 Res: 703-743-6967	Eldon L. Yates Route 2 Luray, Va. 22835 Bus: 703-778-2123 Res: Same

JURISDICTION	COORINATOR	DIRECTOR
Patrick Co. Region I P. D. 12	*Edward M. Turner, Jr. **P. O. Box 466 Stuart, Va. 24171 Bus: 703-694-6094 Res: 703-398-2375	Burton M. Slate Claudville, Va. 24076 Bus: 919-786-2104 Res: 703-251-5124
Pittsylvania Co. Region I P. D. 12	*C. M. Willock, Acting **P. O. Box 426 Chatham, Va. 24531 Bus: 804-432-2041 Res: 804-724-4331	Flournoy A. Keatts Route 2, Box 393 Danville, Va. 24541 Bus: 804-685-7476 Res: Same
Powhatan Co. Region III P. D. 15	*James Ronald George **P. O. Box 218 Powhatan, Va. 23139 Bus: 804-598-3852 Res: 804-320-7653	William E. Maxey, Jr. Powhatan, Va. 23139 P. O. Box 37 Bus: 804-598-3004 Res: 804-598-3141
Prince Edward Co. Region III P. D. 14	*W. K. Manion **P. O. Box 382 Farmville, Va. 23901 Bus: 804-392-4129 Res: 804-392-6883	John C. Steck c/o Farmville Herald Farmville, Va. 23901 Bus: 804-392-3338 Res: 804-392-4942
Prince George Co. Region III P. D. 19	*Robert P. Blauvelt **P. O. Box 68 Prince George, Va. 23875 Bus: 804-732-3534 Res: 804-541-3761	Richard E. Bain P. O. Box 68 Prince George, Va. 23875 Bus: 804-732-8818 Res: 804-541-0216
Prince William Co. Region II P. D. 8	Clinton B. Mullen 9250 Lee Avenue Manassas, Va. 22110 Bus: 703-368-0400 Res: 703-361-1565 EMER: 703-368-1090	Andrew J. Donnelly 9250 Lee Avenue Manassas, Va. 22110 Bus: 703-368-0400 or 703-527-1223 Res: 703-494-2017
Pulaski Co. Region I P. D. 4	*Robert McNichols **Pulaski Co. Admin. Bldg. 143 Third Street, N.W. Pulaski, Va. 24301 Bus: 703-980-8888 Res: 703-980-8326	Archa Vaughan, Jr. 1513 Claremont Court Pulaski, Va. 24301 Bus: 703-980-2840 Res: 703-980-5849
Rappahannock Co. Region II P. D. 9	*Jennings W. Hobson, III **P. O. Box 298 Washington, Va. 22747 Bus: 703-675-3716 Res: Same	E. P. Luke Sperryville, Va. 22740 Bus: 703-987-8386 Res: Same

JURSIDICTION	COORDINATOR	DIRECTOR
Richmond Co. Region II P. D. 17	*G. Gaylord Belfield **P. O. Box 73 Warsaw, Va. 22572 Bus: 804-333-2475 Res: 804-333-4111	W. D. Gray Route 3 Warsaw, Va. 22572 Bus: 804-394-4742 Res: Same
Roanoke Co. Region I P. D. 5	Robert N. Monroe P. O. Box 168 County Courthouse Salem, Va. 24153 Bus: 703-0811, X411, X412 Res: 703-862-4560	C. Lawrence Dodson 5302 Grandin Rd. Ext. SW Roanoke, Va. 24018 Bus: 703-389-0811, X236 Res: 703-774-0737
Rockbridge Co. Region II P. D. 6	*Don Austin **Rockbridge County Courthouse Lexington, Va. 24450 Bus: 703-463-4361 Res: 703-377-6796	John M. Whitesell P. O. Box 68 Fairfield, Va. 24435 Bus: 703-348-5667 Res: Same
Rockingham Co. Region II P. D. 6	*James W. Moyers **Courthouse Harrisonburg, Va. 22801 Bus: 703-434-5941 Res: 703-896-3143	William H. Sipe Route 2, Box 196 Elkton, Va. 22827 Bus: 703-289-5454 Res: Same
Russell Co. Region I P. D. 2	*Charles S. Yates **Route 1, Box 146BB Cleveland. Va. 24225 Bus: 703-889-1778 Res: 803-889-3112	Danny Lee Brown Swords Creek Virginia 24649 Bus: 703-873-5406 Res: 703-873-5381
Salem City Region I P. D. 5	*Randolph M. Smith **P. O. Box 869 Salem, Va. 24153 Bus: 703-389-8601, X73, 74 Res: 703-389-3007	William J. Paxton, Jr. P. O. Box 869 Salem, Va. 24153 Bus: 703-389-8601, X70 Res: 703-389-6426
Scott Co. Region I P. D. 1	*Lawrence B. Kiser **Route 2, Box 79 Clinchport, Va. 24227 Bus: 703-386-6522 or 703-940-2184 Res: 703-940-2604	G. Paul Bright Route 1 Hiltons, Va. 24258 Bus: 703-386-7514 Res: 703-386-3252
Shenandoah Co. Region II P. D. 7	*John D. Cutlip **County Administrator P. O. Box 452 Woodstock, Va. 22664 Bus: 703-459-2195 Res: 703-459-4463	John M. Richman, Sr. Route 1, Box 178-E Woodstock, Va. 22664 Bus: 703-459-3678 Res: Same

JURISDICTION	COORDINATOR	DIRECTOR
Smyth Co. Region I P. D. 3	*Rhea B. Lawrence **Park Boulevard Marion, Va. 24354 Bus: 703-783-3121, X201 Res: 703-783-4291	Walter F. Murray P. O. Box 676 Marion, Va. 24354 Bus: 703-783-7300 Res: 703-783-3288
Southampton Region III P. D. 20	*George O. Bryant **P. O. Box 406 Courtland, Va. 23837 Bus: 804-653-2465 Res: 804-654-5071	W. H. Story Capron, Va. 23829 Bus: 804-658-4545 Res: 804-658-4544
Spotsylvania Co. Region II P. D. 16	*Robert R. Scott **P. O. Box 77 Spotsylvania, Va. 22553 Bus: 703-582-6361, X230 Res: 703-786-8473	H. C. Cosner Rt. 3, Box 563 Fredericksburg, Va. 22401 Bus: 703-373-0520 Res: Same
Stafford Co. Region II P. D. 16	Mrs. Angelene B. Maki Route 6, Box 465 Hartwood, Va. 22471 Bus: 703-752-4231 Res: Same	W. Hansford Abel Route 5, Box 387 Falmouth, Va. 22401 Bus: 703-373-8206 Res: Same
Surry Co. Region III P. D. 19	**Charles H. Agle Surry County Courthouse Surry, Va. 23883 Bus: 804-294-3266 Res: 804-267-2642	*M. Sherlock Holmes Route 1, Box 28 Disputanta, Va. 23842 Bus: 804-732-5221 Res: 804-834-3223
Sussex Co. Region III P. D. 19	*Richard E. Albert **P. O. Box 1397 Sussex, Va. 23884 Bus: 804-246-5521 Res: 804-834-3305	Stuart Nicholson Star Rise, Box 50 Waverly, Va. 23890 Bus: 804-834-2615 Res: Same
Tazewell Co. Region I	*Woodrow W. Mullins **Route 1, Box 63 Cedar Bluff, Va. 24609 Bus: 703-964-4602 Res: 703-964-4464	Leslie A. Ballard Drawer BB Richland, Va. 24641 Bus: 703-963-7050 703-964-9000 Res: 703-963-6864
Warren Co. Region II P. D. 7	*Richard J. Farrell **408 Duncan Avenue Front Royal, Va. 22630 Bus: 703-635-3688 or 703-635-4540 Res: 703-635-3470	John K. Marlow c/o Marlow Motor Co. 707 Commerce Avenue Front Royal, Va. 22630 Bus: 703-635-3153 Res: 703-635-6866

JURISDICTION	COORDINATOR	DIRECTOR
Washington Co. Region I P. D. 3	*W. Fred Callihan **174 East Main Street Abingdon, Va. 24210 Bus: 703-628-7200 or 703-628-9111 Res: 703-944-3261	Kenneth B. Buchanan Route 2 Glade Spring, Va. 24340 Bus: 703-944-3731 Res: 703-944-5539
Waynesboro City Region II P. D. 6	*William B. Fletcher **P. O. Box 1028 Waynesboro, Va. 22980 Bus: 703-942-8305 Res: 703-942-4335	Charles T. Yancey P. O. Box 1028 Waynesboro, Va. 22980 Bus: 703-942-8305 Res: 704-942-8454
Westmoreland Co. Region II P. D. 17	*Garland B. McKenney, Jr. **Montross Virginia 22520 Bus: 804-493-4100 Res: 804-493-5656	J. J. Heston County Administrator Montross, Va. 22520 Bus: 804-493-6101 Res: 804-472-3933
Wise Co. Region I P. D. 1	*Jack D. Lloyd **P. O. Box 475 Pound, Va. 24279 Bus: 703-796-4758 Res: Same	Darrell F. Dean, Jr. P. O. Box 534 Wise, Va. 24293 Bus: 703-395-2452 Res: 703-328-6197
Wythe Co. Region I P. D. 3	*Charles R. Huddle, Jr. **205 County Office Bldg. Wytheville, Va. 24382 Bus: 703-228-5871 Res: 703-699-6614	Ralph L. Blair Ivanhow Virginia 24350 Bus: 703-699-6513 Res: Same
York Co. Region III P. D. 21	*Donald R. Carmines **P. O. 532 Yorktown, Va. 23690 Bus: 804-887-5464 Res: 804-868-9251	

MARYLAND OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN

The following is a rewrite of the Maryland Contingency Plan prepared by the Maryland Department of Water Resources. This plan as revised depends very heavily on the Regional and National Plans.

TABLE OF CONTENTS

I. Maryland Laws

II. Maryland State Agencies

III. Water Resources Administration Regions

IV. Sources of Cleanup Contractors, Equipment and Supplies

- A. Contractors
- B. Trailers
- C. Mutual Assistance Group
- D. Booms Available
- E. County Offices

I. Maryland Laws

Current law (1) provides:

1. The transfer and storage of oil shall be regulated by the Water Resources Administration;

2. The Maryland Port Administration for Baltimore Harbor area, and the Water Resources Administration for other waters of the State shall develop a program to respond to emergency spillage;

3. Oil terminal facilities shall be subject to an annual license fee to be credited to a special fund to be used for oil spill prevention and control;

4. A bond of $100 per gross ton shall be posted for any vessel entering Maryland waters to discharge or receive bulk oil;

5. A compensatory fee, covering cost of spill cleanup, shall be charged and collected from the person responsible for oil spillage;

6. A person spilling oil or actively or passively participating in an oil spill, shall report the incident immediately to the appropriate federal or state authority;

7. The person responsible for an oil spill shall be liable to any other person for any damage caused thereby;

8. Damage to aquatic resources by any instance of water pollution shall be investigated by the Department of Natural Resources, the cause and source established and the person responsible required to perform clean-up and restoration.

The law includes a schedule of license fees to be paid annually by the operators of oil storage facilities in Maryland. Fees vary from $250 (for a facility with total storage capacity of 3,001 to 4,999 barrels) up to $5,000 (for a facility with total storage capacity of 50,000 barrels or greater).

II. Maryland State Agencies

Maryland Department of Water Resources, Annapolis, Phone: 301-267-5551 (Office Hours); Maryland Department of Marine Police, Annapolis, Ph. 301-267-5181 (24 Hours); Maryland Port Administration, Baltimore, Ph. 301-383-5104 (Office Hours), Ph. 301-383-5764 (24 Hours); Maryland Wildlife Administration, Annapolis, Ph. 301-267-5195 (Office Hours);

Maryland Fisheries Administration, Annapolis, Ph. 301-267-5361 (Office Hours); Maryland Poison Information Center, Baltimore, Ph. 301-528-7701.

III. Water Resources Administration Regions

Region I - Garrett, Allegany and Washington Counties - R. Creter Ph. 301-722-0735

Region II - Frederick, Carroll, Montgomery and Howard Counties - R. Parise Ph. 301-757-5612

Region III - Baltimore, Harford, Cecil and Anne Arundel Counties - W. Yanovitch Ph. 301-987-0323

Region IV - Prince Georges, Anne Arundel, Charles, Calvert and St. Mary's Counties - R. Schwartz Ph. 301-263-8491.

Region V - Kent, Queen Annes, Caroline, Talbot, Rorchester, Wicomico, Somerset and Worcester Counties - R. Campbell Ph. 301-768-0538

IV. Sources of Cleanup Contractors, Equipment and Supplies.

A. Cleanup Contractors - See Regional Plan - These companies can work anywhere in Region. Also available in Maryland is A.P.S. Inc., Baltimore Ph. 301-686-7210

B. Trailers - These are located throughout the State for quick response and control of spills by WRA Regional people. The Trailers are equipped with 300' Boom, Absorbents, Rakes, Shovel, Oars, Other Tools, Rope, Fence Posts, Roll of Wire Mesh, Boat with Outboard Motor, Lights, Generator, Hoses, Pump and Portable Tank.

TRAILER LOCATIONS

Unit #1 - Salisbury, Maryland
Salisbury Mutual Assistance Group
143 South Division St. (Salisbury Fire Dept.)
Salisbury, Maryland
Telephone: 749-4141

Unit #2 - Easton Point, Maryland
McMahan Oil Company
Bulk Plant
Easton Point
Easton, Maryland
Plant Telephone: 822-2000
Home Telephone: 822-1466 (Mr. Russ)

Unit #3 - Chestertown, Maryland
D & R Supply Company
Mobil Marine Terminal
Quaker Neck Road
Chestertown, Maryland
Plant Telephone: 778-0600 (Mr. Brown M. Roe, Sr.)

Key available at bulk plant at Sheriff's office
Cross street, after hours - Telephone: 778-2277
Contact Sheriff Bartis Vickers

Unit #4 - Baltimore, Maryland
Maryland Port Administration
Pier 7 - Baltimore Harbor
Baltimore, Maryland
Telephone: 383-5764
Home Telephone: 262-3196 (Col. LaPierre)

Unit #5 - Annapolis

Water Resources Administration
Field Office
Lincoln Park West
199 Chinquapin Round Road
Annapolis, Maryland
Telephone: 267-5878 (Office hours)
267-5181 (other times)

Unit #6 - Largo, Maryland
Prince Georges County Fire Dept.
Engine Company #46
Route 202 Opposite Prince Georges County
Community College near Central Avenue
Telephone: 336-4633
If no answer call Prince Georges
County Fire Board

Unit #7 - Frederick, Maryland
Blue Ridge Oil Company
Route 26 (West of Rt. 26 & Rt. 15 Junction)
Frederick, Maryland
Telephone: 662-4101
Home Telephone: 662-8514 (Ed Higginbotham)

Unit #8 - Cumberland, Maryland
State Highway Administration Garage
P. O. Box 3347
Braddock, Maryland
Telephone: 729-1600
729-1601 (December thru March, 24 hrs.)
Home Telephone: (April thru December)
C. Mechen - 724-7863
H. Sweitzer - 689-9402
C. Mallow - 729-3905

Unit #9 - Leonardtown Trailer
Thrift Oil Co.
609 Washington St.
Leonardtown, Maryland
Telephone: 475-9111

MARYLAND PETROLEUM ASSOCIATION
MUTUAL ASSISTANCE GROUPS

Mr. Michael D. McDonald
Executive Director
Maryland Petroleum Association
Office: 269-1850
Home: 269-1082

1. Amoco Oil Company
   3901 Asiatic Avenue
   Wagners Point
   Baltimore, Maryland

   ATTENTION: Mr. R. J. Shields, Mgr.
   Office: 355-2105
   Mr. R. E. Watson, Mgr. Ops.
   Office: 355-2101
   Home: 455-0576

   EQUIPMENT: 2,000 ft. Uniroyal Seal Boom Type C
   Mechanical skimmers
   Pumps
   Boat and motor

2. Amoco Oil Co.
   Ordinance Rd. & Pennington Avenue
   Baltimore, Maryland

   ATTENTION: Mr. John Benoska
   Office: 636-0522
   Home: 321-7378

   EQUIPMENT: Absorbent materials
   520' Uniroyal boom
   Mechanical skimmers
   Boat

3. Amoco Oil Co.
   Near Parsons Rd.
   Salisbury, Maryland

   ATTENTION: Mr. M. L. Long, Mgr.
   Office: 749-7581
   Home 651-9621

   EQUIPMENT: Absorbent materials
   350' Uniroyal boom
   Mechanical skimmer

4. Continental Oil Company
3441 Fairfield Road
Baltimore, Maryland 21226

ATTENTION: Mr. Buddy Ratlift
Office: 355-6200 Ex. 255
Home: 987-4734

EQUIPMENT: 2,500' Coastal 36" boom
Mechanical skimmers
28' workboat
Absorbent materials

5. Exxon Co. U. S. A.
3601 Boston St.
Baltimore, Maryland 21224

ATTENTION: Mr. K. J. Ford
Office: 633-9161 Ex. 460
24 hr. Dock #: 732-0169

EQUIPMENT: Absorbent materials
3,000 ft. 36" boom
500 ft. slickbar boom
Mechanical skimmer
Boat and motor
Vacuum truck
Hand tools

6. Shell Oil Co.
Wagners Point
Baltimore, Maryland

ATTENTION: Mr. B. O. Sorenson
Office: 354-0404
Home: 647-0542

EQUIPMENT: Absorbent materials
18' workboat and motor
1,000' boom
Mechanical skimmer

7. Stewart Petroleum
Piney Point, Maryland

ATTENTION: Mr. R. S. Dudley
Office: 994-1200 Ex. 16
Home: 994-1100

EQUIPMENT: Absorbent materials
1,000 ft. Acme boom
Mechanical skimmers
Pumps
Workboats
Vacuum trucks
Hand tools

8. Stewart Petroleum
1333 M.Street, S. E.
Washington, D. C.

ATTENTION: Mr. Harry Biller
Office: (202) 546-6982
Home: 449-4317

EQUIPMENT: Sorbent materials
1,000 ft. Acme boom
Front end loader
Dump trucks

9. Texaco, Inc.
Fourth Avenue & Southport St.
Baltimore, Maryland

ATTENTION: Mr. R. J. Schuster
Office: 355-6500
24 hr.: 355-6507

EQUIPMENT: 1,000 ft. Acme boom
Boat and motor

10. Gulf Oil Co.
Salisbury, Maryland

ATTENTION: Mr. R. Ragan
Office: 742-1555
Home: 749-0448

EQUIPMENT: 300 ft. Acme boom
Boat and motor
Sorbent materials
Mutual assistance data

11. Hess Oil Co.
Salisbury, Maryland

ATTENTION: Mr. R. Grimm
Office: 742-4404
Home: 742-7629

EQUIPMENT: 500 ft. boom

ALLEGANY COUNTY

Fire Department	777-7111	(nights)
Civil Defense	777-7111	(nights)
State Police	729-2101	
Sheriff	722-4404	
Environmental Health	722-3010	(24 hrs.)
County Engineer	777-7214	
DOT Garage	729-1600	
Disposal Sites	Contact County Engineer	

ANNE ARUNDEL COUNTY

Fire Department	987-1212	
State Police	267-1101	
County Police	987-0101	
Sheriff	224-7273	(day)
M. Chaney	721-2943	(nights & holidays)
Civil Defense	224-1331	(day)
H. Cross, Director	268-2838	(night)
M. R. Smith, Asst. Dir.	757-3655	(night)
Health Dept.		
Dr. Beard	224-7376	(office hours)
	721-2810	(holidays)
Mr.N. Singh Dhillon	224-7191	(office hours)
	268-2156	(holidays)
Public Works & Utilities Operations	768-7888	(24 hrs.)
DOT Garage	267-5430	
Disposal Sites	Contact Public Works	

BALTIMORE CITY

Fire Department	685-1313	
State Police	486-3101	
City Police	222-3333	
Sheriff	539-7680	
Maryland Port Administration	See Page 1	
Baltimore City Marine Police	685-1600	
Public Works	539-5151	(24 hrs.)
Health	396-3100	(24 hrs.)
Environmental Health	396-4422	
DOT Garage	833-5533	
Disposal Sites	396-8185	(Supt. of Incinerators & Landfills)

BALTIMORE COUNTY

Fire Department----------823-2020
State Police----------486-3101
County Police----------823-4040 (day)
494-2111 (24 hr. emergency)
Sheriff----------494-3151
Civil Defense----------494-3040 (day)
825-1013 (day)
Health Department
Environmental Service----------494-3766
Health Officer----------494-2702
823-1605 (Night answering serv.)
Utilities/Public Works----------666-0522 (24 hrs.)
DOT Garage----------768-7321
Disposal Sites----------Contact Envmtl. Serv. or
Charles Farley - Office: 823-3000
Ext. 285
Home:655-0836
Ken Cramer - Office: 823-3000
Ext. 285
Home: 472-2629

CALVERT COUNTY

Fire Dept.----------535-1404
County Control Center/State Police/ County
Police/Sheriff----------535-1400(Use for night contacts)
Civil Defense----------535-1600, Ext. 64
Health Department----------535-0128
County Engineer----------535-1600, Ext. 54
DOT Garage----------535-1748
Disposal Sites----------Contact County Engineer

CAROLINE COUNTY

Fire Department----------479-2222
State Police----------479-2040
Sheriff----------479-2515
Environmental Health----------479-0556 (day)
Director J. Rieck----------673-7820 (Nights & holidays)
DOT Garage----------479-0770
Disposal Sites----------Contact Environmental Health

CARROLL COUNTY

Fire Dept./Central Alarm	848-4343 (Use for Night Contacts)
State Police (Westminster)	848-3111
	848-9000 (day)
	848-1800 (night)
Sheriff	848-9666
Civil Defense	848-8585 (24 hrs.)
Environmental Health	
L. V. Chancy Dir.	848-4500, Ext. 389
	848-8554 (Holidays)
R. Isaac (Alt.)	833-2189 (Holidays)
County Engineer	848-4500, Ext.333
DOT Garage	867-2061
Disposal Sites (landfill Dir.)	848-4500, Ext. 333

CECIL COUNTY

Fire Department	398-2222
County Fire Bd./Civil Defense	398-1350 (Use for Night contacts)
State Police	287-8101
Sheriff	398-3344
Health Dept.	398-5100
Public Works	398-0514
DOT Garage	398-1565
Disposal Sites	Contact Public Works

CHARLES COUNTY

Fire Dept./Sheriff	934-2222
Communications Hdqtrs./Civil Defense	934-2211 (Use for night contacts)
State Police	645-2681
Environmental Health/Health Officer	934-9577
County Engineer	934-8141, Ext. 287
DOT Garage	934-8031
Disposal Sites	Contact County Engineer

CARROLL COUNTY

Fire Dept./Central Alarm----------848-4343 (Use for Night Contacts)
State Police (Westminster)----------848-3111
848-9000 (day)
848-1800 (night)
Sheriff----------848-9666
Civil Defense----------848-8585 (24 hrs.)
Environmental Health----------
L. V. Chancy Dir.----------848-4500, Ext. 389
848-8554 (Holidays)
R. Isaac (Alt.)----------833-2189 (Holidays)
County Engineer----------848-4500, Ext.333
DOT Garage----------867-2061
Disposal Sites (landfill Dir.)----------848-4500, Ext. 333

CECIL COUNTY

Fire Department----------398-2222
County Fire Bd./Civil Defense----------398-1350 (Use for Night contacts)
State Police----------287-8101
Sheriff----------398-3344
Health Dept.----------398-5100
Public Works----------398-0514
DOT Garage----------398-1565
Disposal Sites----------Contact Public Works

CHARLES COUNTY

Fire Dept./Sheriff----------934-2222
Communications Hdqtrs./Civil Defense----------934-2211 (Use for night contacts)
State Police----------645-2681
Environmental Health/Health Officer----------934-9577
County Engineer----------934-8141, Ext. 287
DOT Garage----------934-8031
Disposal Sites----------Contact County Engineer

CARROLL COUNTY

Fire Dept./Central Alarm	848-4343 (Use for Night Contacts)
State Police (Westminster)	848-3111
	848-9000 (day)
	848-1800 (night)
Sheriff	848-9666
Civil Defense	848-8585 (24 hrs.)
Environmental Health	
L. V. Chancy Dir.	848-4500, Ext. 389
	848-8554 (Holidays)
R. Isaac (Alt.)	833-2189 (Holidays)
County Engineer	848-4500, Ext.333
DOT Garage	867-2061
Disposal Sites (landfill Dir.)	848-4500, Ext. 333

CECIL COUNTY

Fire Department	398-2222
County Fire Bd./Civil Defense	398-1350 (Use for Night contacts)
State Police	287-8101
Sheriff	398-3344
Health Dept.	398-5100
Public Works	398-0514
DOT Garage	398-1565
Disposal Sites	Contact Public Works

CHARLES COUNTY

Fire Dept./Sheriff	934-2222
Communications Hdqtrs./Civil Defense	934-2211 (Use for night contacts)
State Police	645-2681
Environmental Health/Health Officer	934-9577
County Engineer	934-8141, Ext. 287
DOT Garage	934-8031
Disposal Sites	Contact County Engineer

DORCHESTER COUNTY

Fire Department/Central Alarm	228-2222	(24 hr. - Use for night contacts)
State Police	228-5231	
Sheriff	228-4141	
Civil Defense	228-1818	
Environmental Health	228-3223	
DOT Garage	228-4977	
Disposal Sites (Rds. Bd. Mgr.)	228-2920	(day)

FREDERICK COUNTY

Fire Department/Central Alarm	662-6333	(Use for night contacts)
State Police	663-3101	
Sheriff	663-8300	
Civil Defense	663-8300, Ext 245	
Environmental Health Officer	662-1101	
DOT Garage	663-6185	
Disposal Sites (Rds. Engr)	663-8300, Ext. 212	

GARRETT COUNTY

Fire Department	334-4444	
State Police	334-3001	
Sheriff	334-2141	
Civil Defense	334-9510	(day)
	334-2891	(Night)
	334-9105	(Night)
Environmental Health/Health Officer	334-8111	
E. Harman, Director	826-8152	(Nights & holidays)
W. Pope, Off.	334-4908	
Roads Supervisor	334-3988	
Mr. Smith	334-9530	(Nights & holidays)
DOT Garage	334-2134	
Disposal Sites	Contact Roads Supervisor	

HARFORD COUNTY

Fire Department	838-3333
Central Alarm	838-3336 (Use for night contacts)
State Police	879-2101
County Police	838-3120 (Bel Air)
Sheriff	838-6600
Civil Defense	838-5800
Health Department	
Environmental Health Officer	838-6000, Ext. 317
Health Officer	838-6000, Ext. 221
Public Works	838-6000
DOT Garage	838-7788
Disposal Sites	Contact Public Works

HOWARD COUNTY

Fire Department/Central Alarm	465-2121 (Use for night contacts)
State Police	489-4600
County Police	489-7373
Sheriff	465-5000, Ext. 303
Civil Defense	465-5000, Ext. 301
Environmental Health	465-5000, Ext. 356
County Engineer	465-5000, Ext. 205
Health Officer	465-5000, Ext. 351
DOT Garage	531-5533
Disposal Sites (Solid Waste)	465-5000, Ext. 327

KENT COUNTY

Fire Department	778-3322
State Police	758-1101
County Police	778-2277
Sheriff	778-2277
Health Officer/Chief Sanitarian	778-1350
Dr. Grant	778-0414 (Nights & holidays)
R. McGinnis	778-2123 (Nights & holidays)
DOT Garage	778-0818
Disposal Sites	Contact Chief Sanitarian

MONTGOMERY COUNTY

Fire Department	424-3111	
Civil Defense/Emergency Opr. Center	279-1251	(24 hrs.)
State Police	424-2101	
County Police	762-1000	
Sheriff	279-8286	
Environmental Protection AGency		
Health Officer	279-1636	
Resource Protection Div.	279-1571	
Solid Waste Div.	279-1852	
Water & Sewers		
Washington Suburban Sanitary Comm.	277-7700	(24 hrs.)
DOT Garage	948-2243	
Disposal Sites	Contact Environmental Protection Agency (Solid Wastes Div.)	

PRINCE GEORGES COUNTY

Fire Department	864-8400	
State Police	345-3101	
County Police	444-1111	
Sheriff	627-1091	
Civil Defense	864-8121	(24 hrs. - Use for night contacts)
Environmental Health	794-6800	(24 hrs.)
Water & Sewer		
Washington Suburban Sanitary Comm.	277-7700	(24 hrs.)
Urban Services	627-3000, Ext. 436	
DOT Garages	952-0555	
Disposal Sites	Contact Environmental Health or Urban Service	

QUEEN ANNES COUNTY

Fire Dept./Central Alarm/Civil Defense	758-0222	(Use for night contacts)
State Police	758-1101	
County Police	758-0770	
Sheriff	758-0770	
Environmental Health Dir./Sanitary Comm.	758-1271	or 758-2281
James Morris	643-5878	(nights & holidays)
Health Officer	758-0720	
Dr. Roberta Hall	758-1426	(Nights & holidays)
Public Works/ County Engineer	758-0920	
DOT Garage	758-0700	
Disposal Sites	Contact Public Works or Environmental Health	

ST. MARYS COUNTY

Fire Department/Control Center----------475-8011 (Use for night contacts)
State Police----------475-8001
Sheriff----------475-8008
Civil Defense----------475-8016
Environmental Health Dir./Health Officer------475-8921
County Engineer----------475-9121, Ext. 40
DOT Garage----------475-8035
Disposal Sites----------Contact County Engineer

SOMERSET COUNTY

Fire Department----------651-1313
Sheriff/Jail----------651-2333 (24 hrs.)
Civil Defense----------651-0707 (24 hrs. - Use for night contacts)
State Police----------749-3101
Environmental Health/Health Officer----------651-0822
Dr. Buchness----------546-2987 (Nights & holidays)
County Engineer----------651-1930
Landfill Superintendant ----------651-2290
G. Miles----------651-1137 (nights & holidays)
DOT Garage----------651-1333
Disposal Sites----------Contact Landfill Supt.

TALBOT COUNTY

Fire Department/Central Alarm----------822-2222 (Use for night contacts)
State Police----------822-3101
Sheriff----------822-1020
Civil Defense----------822-2129 or 822-2030
Environmental Health/Health Officer----------822-2292
G. Reinhart, Dir.----------745-9232 (Nights & holidays)
County Engineer----------822-2030
DOT Garage----------822-3525
Disposal Sites----------Contact County Engineer

WASHINGTON COUNTY

Fire Department/Central Alarm	791-1211	(Use for night contacts)
State Police	739-2101	
Sheriff	731-0120	
Civil Defense	739-2500	
Environmental Health/Health Officer	739-0800	(24 hr. answering service)
County Engineer	791-3134	
DOT Garage	733-0965	
Disposal Sites	739-5621	(landfill Dir.)

WICOMICO COUNTY

Fire Department/Central Alarm	749-4141	(24 hrs., use for night contacts)
State Police	749-3101	
Civil Defense	742-7900	(day)
	749-3993	(night)
Sheriff	742-3167	
Environmental Health Dir./Health Officer	749-1244	
Dr. Buchness	546-2987	(nights & holidays)
City Works (Water & Sewer)	742-2289	
P. C. Cooper	749-9473	(nights & holidays)
DOT Garages	742-1391	
Disposal Sites (County Public Works)	749-9188	
D. M. Davis	749-4296	(nights & holidays)

WORCESTER COUNTY

Fire Department	632-1313	
State Police	749-3101	
Sheriff	632-1111	
Civil Defense	632-1315	(24 hrs.)
Environmental Health/Health Officer	632-1948	
Dr. Buchness	546-2987	(nights & holidays)
Roads Engineer	632-2244	
V.E. Smullen	632-0465	(nights & holidays)
DOT Garage	632-0511	
Disposal Sites	Contact Roads Engineers	

MARYLAND CIVIL DEFENSE & DISASTER PREPAREDNESS AGENCY
PIKESVILLE, MARYLAND 21208
TELEPHONE: 486-4422

COUNTY DIRECTORS OF CIVIL DEFENSE

THE BUSINESS TELEPHONE NUMBERS FOR DIRECTORS AND ALTERNATES ARE NOT SHOWN UNLESS THEY DIFFER FROM THE CIVIL DEFENSE OFFICE PHONE NUMBERS

ADDRESS AS FOLLOWS:

BALTIMORE CITY	Office of Disaster Control and Civil Defense 1201 E. Cold Spring Lane Baltimore, Maryland 21239	369-6175
DIRECTOR	Brig. Gen. Wm. U. Ogletree	Home Phone 823-2756
ALTERNATE	None	
ALLEGANY COUNTY	Allegany County Civil Defense & Disaster Preparedness Agency P. O. Box 1340 Cumberland, Maryland	777-7114 & 7115 Emergency 777-7111
DIRECTOR	Charles G. Smith	Home Phone 724-0333
ADMINISTRATIVE ASSISTANT	Owen N. Morris	Home Phone 722-6732

(Direct line from Balto. thru switchborad-No Toll)

ANNE ARUNDEL COUNTY	Office of Civil Defense Anne Arundel County, Md. Court House Annapolis, Maryland 21404	269-1350 Ext. 1331 1320
	Direct Line to Office (Toll Call..	224-1331 & 1320
	Washington Line	261-1650
DIRECTOR	Hugh O'Conor Cross, Jr.	Home Phone 268-2838
ASSISTANT DIRECTOR	Lt. Col. Marlin R. Smith. USAF (Ret.)	Home Phone 757-3655

BALTIMORE COUNTY. . . .	Baltimore County, Md.	825-1013
	Bureau of Civil Defense	1014
	Bosley Avenue at York Road	1015
	Towson, Maryland 21204	
DIRECTOR.	None	
ALTERNATE	Edward Murray.	Home Phone 833-7296
CALVERT COUNTY.	Calvert County Civil Defense . .	535-1600
	& Emergency Planning Agency	Ext. 250
	Court House	
	Prince Frederick, Md. 20678	
DIRECTOR.	Vernon Horsmon	Bus. Phone 535-0331 Home Phone 535-1751
ASSISTANT DIRECTOR. . . .	None	
CAROLINE COUNTY.	Caroline County Civil Defense. .	479-2622
	& Disaster Preparedness Agency	
	P.O. Box 151, Court House	
	Denton, Maryland 21629	
DIRECTOR.	Edwin G. Richards.	Home Phone 479-0805
ALTERNATE	Donald C. Messick.	Bus. Phone 479-1600 Home Phone 479-2547
CARROLL COUNTY	Civil Defense of Carroll County.	848-8585
	100 Court Street - Box 223	
	Westminster, Maryland 21157	
DIRECTOR.	Stover V. Rohrer.	Home Phone 848-5783
DEPUTY DIRECTOR	Clarke M. Shumate	Home Phone 848-3933

CECIL COUNTY.	Cecil County Civil Defense. . . & Emergency Planning Agency Room #6 - Court House Elkton, Maryland 21921	.398-1350 & 3815
	(For emergency only)	398-2222
DIRECTOR.	John J. Ward, Jr.	Home Phone 398-2320
ALTERNATE.	.Henry A. Metz.	.Home Phone 398-2477
ALTERNATE.	.Samuel Dixon	.Bus. Phone 398-4534 & 0400 Home Phone 398-2039
CHARLES COUNTY.	Charles County Civil Defense. . & Emergency Planning Agency Court House LaPlata, Maryland 20646	.934-3833 & 3834
DIRECTOR.	.Harris Matthews.	Home Phone 934-9371
DEPUTY DIRECTOR	.None	
DORCHESTER COUNTY.	.Dorchester County Civil Defense. & Disaster Preparedness Agency P. O. Box 231 Court House Cambridge, Maryland 21613	228-1818
DIRECTOR.	.Otto B. Cheesman, Jr.	.Bus Phone 228-6452 Home Phone 228-3246
ALTERNATE.	.None	

FREDERICK COUNTY	Frederick County Civil Defense & Disaster Preparedness Agency Court House North Court Street Frederick, Maryland 21701	663-8300 Ext. 245
DIRECTOR	Earl W. Bartgis	Home Phone 662-4989
ALTERNATE	Teresa Harrison	Home Phone 829-0992
GARRETT COUNTY	Garrett County Civil Defense & Disaster Preparedness Agency Oakland, Maryland 21550	334-9510
DIRECTOR	George F. Comp, Jr.	Home Phone 334-2891
COMMUNICATIONS OFFICER	Kenneth M. Kenner	Home Phone 334-9105
HARFORD COUNTY	Harford County Department of Civil Defense & Emergency Planning 2205 Conowingo Road Bel Air, Maryland 21014	838-5800
DIRECTOR	Paul H. Seward (Forests & Parks)	Bus. Phone 838-6920 Home Phone 272-0830
ALTERNATE	Major Robert O. Shackelford. U.S.A. (Ret.)	Home Phone 272-0915

HOWARD COUNTY	Howard Co. Office of Civil Defense & Emergency Planning 3725 Park Avenue Ellicott City, Maryland 21043	465-5000 Ext. 301
	(After switchboard closes)	465-5014
DIRECTOR	Chief Paul F. J. LePore	Bus. Phone 454-5000 Ext. 333 & 334 Home Phone 725-2320
ASST. DIRECTOR	David C. Clagett	Home Phone 730-1383
ALTERNATE	Wm. Walter Boyd	Bus. Phone 465-5000 Ext. 311 Home Phone 922-6420
SECRETARY	Terri Marcell	Home Phone 465-5270
KENT COUNTY	Kent County Civil Defense and Emergency Planning Agency Box 253 - Court House Chestertown, Maryland 21620	778-2746
DIRECTOR	Ernest C. Leverage	Bus. Phone 778-2393 Home Phone 778-2915
ALTERNATE	Philip M. Brooks, Jr.	Bus. Phone 778-2081 Home Phone 778-0595
MONTGOMERY COUNTY	Montgomery County Office of Civil Defense & Emergency Planning County Office Building Rockville, Maryland 20850	279-1251
DIRECTOR	Wm. H. Hussmann, Jr. Chief Administrative Officer Montgomery County	Home Phone 424-8596
COORDINATOR CIVIL DEFENSE & EPA	William M. Calnan	Home Phone VA. 1-703-273-2590

PRINCE GEORGE'S COUNTY. . . . . Dept. Of Civil Defense. . . . . .PBX Phones
& Emergency Preparedness 779-3850
Prince George's County Ext. 358
County Service Building
Hyattsville, Maryland 20781 779-1150

DIRECTOR. . . . . .R. Hal Silvers. . . . . .Home Phone
474-7868
(Home & Night Emergency Phone). . .779-3866

DEPUTY DIRECTOR. . . . . Lyle D. Faxon. . . . . Home Phone
422-7887

Fire/Communications - 24 hours daily-864-8400

QUEEN ANNE'S COUNTY. . . . . .Queen Anne's County Civil Defense.
& Disaster Planning Agency. 758-0580
Court House
Centreville, Maryland 21617

DIRECTOR. . . . . .Mrs. Helen S. Hardesty. . . . . .Home Phone
758-1353

ALTERNATE. . . . . Thomas J. Thompson. . . . . .Bus. & Home
827-8329

ST. MARY'S COUNTY. . . . . .St. Mary's County Civil Defense
and Emergency Planning Agency. . . 475-8016
Emergency Operating Center
Box 271
Leonardtown, Maryland 20650

DIRECTOR. . . . . .Otis F. Wood. . . . . .Home Phone
373-2139

SOMERSET COUNTY. . . . . .Somerset County Civil Defense. . . 651-0707
and Emergency Planning Agency
Court House
Main & Prince William Streets
Prince Anne, Maryland 21853

DIRECTOR. . . . . .C. Z. Keller. . . . . .Bus. Phone
(1) 651-0707
(2) 651-2555

(Washington Hotel). . . . . Home Phone
651-0707
If 651-0707 does not answer in evening, call. 651-2525

ASSISTANT DIRECTOR. . . . .C. N. Baughan. . . . . Home Phone
651-1739

TALBOT COUNTY.	Talbot County Civil Defense. . . . & Emergency Planning Agency County Building Easton, Maryland 21601	822-2030 & 2049
DIRECTOR.	Commander Alexander Bowdle, Jr. . . U. S. N. (Ret.)	Home Phone 822-2129
ALTERNATE.	Commander C. Albert Carroll. . . .	Home Phone 822-2920
WASHINGTON COUNTY.	Washington County Civil Defense. . & Emergency Planning Agency. (1) Court House (2) Hagerstown, Md. 21740	Direct Lines 791-3008 739-2500
DIRECTOR.	Walter H. Funston. . . . . (Weekends - Interim) (814) (Nights - Interim). .(301)	Home Phone 842-6544 733-7100 Ext. 5171
CHIEF, RESCUE SERVICE. . .	Stoyan L. Russell	Bus. Phone 662-1181 Ext. 247 Home Phone 739-8160
WICOMICO COUNTY.	Wicomico County Civil Defense. . . and Emergency Planning Agency P. O. Box 77 - Court House Salisbury, Maryland 21801	742-7900
DIRECTOR.	Mr. Harold Sterling.	Home Phone 749-3993
ALTERNATE.	None	
WORCESTER COUNTY.	Worcester County Civil Defense. . . and Emergency Planning Agency Court House Snow Hill, Maryland 21863	632-1315 & 1314
DIRECTOR.	Allen W. Bunting.	Home Phone 641-2750
ALTERNATE.	Edward S. Cropper.	Bus. Phone 632-1311 Home Phone 352-5166

Pennsylvania Oil and Hazardous Substances Pollution Contingency Plan

The following is a rewrite of the Pennsylvania Contingency Plan prepared by the Pennsylvania Department of Environmental Resources. Their plan stands on its own while this plan depends very heavily on the Regional and National Plans.

TABLE OF CONTENTS

I. Pennsylvania Laws

II. Pennsylvania State Agencies

A. Department of Environmental Resources

1. Bureau of Water Quality Management
2. Bureau of Air Pollution Control
3. Solid Waste Management
4. Bureau of Topographic and Geologic Survey
5. Division of Oil and Gas

B. Fish Commission

C. Game Commission

D. Department of Transportation

1. Bureau of Maintenance
2. Bureau of Construction
3. Bureau of Materials, Testing and Research Laboratory
4. Hazardous Substances Transportation Board

E. State Police
F. Department of Agriculture
G. State Council of Civil Defense

III. Sources of Cleanup Contractors, Equipment and Supplies

A. Cleanup Contractors
B. Absorbents
C. Equipment and Tools
D. Aircraft - Rental
E. Waste Oil Disposal
F. Floodlights & Searchlights
G. U.S. Air Force Tanker Spray Planes
H. Tank Trucks
I. Vacuum Trucks
J. Skimmers
K. Oil Barges
L. Boats

M. Solid Waste Coordinators
N. Permitted Landfills Sites
O. Liquid Waste Disposal - Incinerators

I. Pennsylvania Laws

The "Clean Stream Law" as amended is very broad regarding the definition of "Pollution". Basically it is any discharge or spill that the "Environmental Quality Board" shall determine is injurious to the "Waters of the Commonwealth". Penalties, to be administered by the "Environmental Hearing Board" may vary from $100 to over $10,000 depending on the type of conviction and the judgement of the "Environmental Hearing Board". All penalties collected as above shall be administered by the "Environmental Quality Board" through "The Clean Water Fund" for use in the elimination of pollution. Guidelines for the administration of this fund are being prepared. The laws and regulations are continuously being issued or revised as experience indicates a need.

II. Pennsylvania State Agencies

A. Department of Environmental Resources

1. Bureau of Water Quality Management will undertake command operations in the event of a spill; will provide technical advice on aspects of water pollution; will alert all water users who may be affected by a spill; will provide liaison with other concerned persons and government authorities; will carry out a continuous evaluation of chemicals and maintain up-to-date information on other equipment and techniques for use in controlling and containing spills of oil and hazardous substances and distribute this information to interested parties; will provide field personnel, chemists and laboratory facilities for a water quality monitoring system; will provide aerial surveillance and air passage via the aerial surveillance contract.

2. Bureau of Air Pollution Control will provide advice and authorization for incineration when appropriate of the wastes collected in the clean-up of spills.

3. Solid Waste Management will provide advice and authorization for land filling, when appropriate, the wastes collected in the clean-up of spills.

4. Bureau of Topographic and Geologic Survey will

provide geologists if needed.

DER Offices (after hours) - Harrisburg (Ph. 717-787-4343). Norristown, (Ph. 215-631-2400), Kingston (Ph. 717-287-8248), Reading (Ph. 215-378-4328), Williamsport (Ph. 717-326-2685), Meadville (Ph. 717-787-4543), and Pittsburgh (Ph. 717-787-4543).

5. Division of Oil and Gas Offices - Pittsfield (Ph. 814-563-7853), Indiana (Ph. 412-463-0590), Washington (Ph. 412-228-1942), Rimersburg (Ph. 814-473-3846), DuBois (Ph. 814-371-4031) Butler (Ph. 412-287-0980), Grove City (Ph. 412-458-6661), Sheffield (Ph. 814-968-3753), Coudersport (Ph. 814-274-9827), Brookville (Ph. 814-849-2445), Pittsburgh (Ph. 412-563-3656), Coutersport-Petroleum Engineer (Ph. 814-274-9196).

B. Fish Commission has seventy Waterways Patrolmen available for collecting water samples and fish specimens or other related field activities involved in any type of water for pollution. Biologists and Chemists are also available for field and laboratory work. These resources are available through Mr. Harold Corbin, Bureau of Waterways (Ph. 717-787-2350) or Mr. Arthur Bradford, Division of Fisheries (Ph. 814-355-4837). The Waterways Patrolmen also provide expert advice relative to the drainage system involved in the pollution incident and assist with their mobile radios in maintaining necessary communications. The District Offices of the Waterways Patrolmen are as follows:

County	Name	Address	Phone
Adams	Warren W. Singer, Jr.	Dillsubrg 17019	717-432-4149
Allegheny (N)	G.T. Crayton	Oakmont 15139	412-828-2122
Allegheny (S)	James R. Smith	White Oak 15131	412-678-5090
Armstrong	Anthony Discavage	Kittanning 16201	412-762-6281
Beaver	Donald Parrish	Fombell 16123	412-452-7052
Bedford	William E. McIlnay	Bedford 15522	814-623-6529
Berks	Ammon Ziegenfus	Shoemakersville 19555	215-562-8815
Blair	Walter A. Rosser	Hollidaysburg 16648	814-695-7222
Bradford	Willard G. Persun	Towanda 18848	717-265-2947
Bucks	Jay B. Johnson	New Hope 18938	215-862-5169
Butler	Eugene Scobel	Butler 16001	412-865-2383
Cambria	Robert Kish	Ebensburg 15931	814-472-5041
Cameron	Stanley G. Hastings	Emporium 15834	814-486-1111
Carbon	Frederick W. Ohlsen	Jim Thorpe 18229	717-325-3037
Centre	Paul Amolosky	Bellefonte 16823	814-355-9681
Chester	R.A. Bednarchik	Glenmore 19343	215-942-2830

County	Name	Address	Phone
Clarion	Robert J. Cortez	Shippenville 16254	814-226-7721
Clearfield	Edward W. Brown	Clearfield 16830	814-765-5660
Clinton	Lloyd Wilson	Lock Haven 17745	717-748-4474
Columbia	John Weaver	Benton 17814	717-925-2307
Crawford (E)	Bert Euliano	Meadville 16335	814-337-9741
Crawford (W)	Warren L Beaver	Linesville 16424	814-683-4121
Cumberland	Perry D. Heath	Carlisle 17013	717-243-6138
Dauphin	John E. Stepanski	Millersburg 17061	717-692-2293
Delaware	Frank Schilling	Philadelphia 19135	215-331-3514
Elk	Bernard D. Ambrose	Ridgeway 15853	814-772-3151
Erie (s)	James R. Carter	Waterford 16441	814-796-2450
Erie (N)	Norman Ely	Wesleyville 16510	814-899-9535
Fayette	James R. Beatty	Farmington 15437	412-438-7630
Forest	Joseph Kopena	Tionesta 16353	814-755-3570
Franklin	Larry V. Boor	St. Thomas 17252	717-369-4362
Fulton	Jos[illegible] K. Houck	McConnellsburg 17233	717-485-428[illegible]
Greene	Gary Deiger	Jefferson 15344	412-883-3626
Huntingdon	James T. Valentine	Huntingdon 16652	814-643-0283
Indiana	Allen G. Stiffler	Indiana 15701	412-463-7064
Jefferson	H. Porter Duvall	Corsica 15829	814-856-2805
Juniata	Larry Baker	Reedsville 17084	717-667-2419
Lackawanna	Robert E. Fasching	Dalton 18414	717-945-5923
Lancaster	Harry Redline	Holtwood 17532	717-284-2793
Lawrence	Bryce Carnell	New Castle 16101	412-658-4171
Lebanon	Paul T. Hornberger	Myerstown 17067	717-866-5523
Lehigh	Frederick W. Mussel	Emmaus 18049	215-797-7779
Luzerne	Claude Neifert	Sweet Valley 18656	717-477-5569
Lycoming	James H. Lauer	Jersey Shore 17740	717-398-4485
McKean	Wilbur Williams	Mt. Jewett 16740	814-778-5104
Mercer	James E. Ansell	Mercer 16137	412-662-2450
Mifflin	Larry Baker	Reedsville 17084	717-667-2419
Monroe	Walter J. Burkhart	Stroudsburg 18360	717-629-2154
Montgomery	Francis Rotchford	Collegeville 19426	215-489-4973
Montour	John Weaver	Benton 17814	717-925-2307
Northampton	Terry Hannold	Nazareth 18064	------
Northumberland	Lee F. Shortess	Sunbury 17801	717-286-5312
Perry	H. Benjamin Leamer	Loysville 17047	717-789-3018
Philadelphia	Frank Schilling	Philadelphia 19135	215-331-3514
Pike	Joseph E. Bartley	Tafton 18464	717-226-3508
Potter	Kenneth Aley	Galeton 16922	814-435-9934
Schuylkill	James F. Hazen	Pottsville 17901	717-668-2732
Snyder	Richard W. Fry	Mifflinburg 17844	717-966-0821
Somerset	William C. Swab	Somerset 15501	814-445-4423
Sullivan	G.W. Frank Kann	Laporte 18626	717-946-7551
Susquehanna	Richard R. Roberts	Montrose 18801	717-278-1629

County	Name	Address	Phone
Tioga	Raymond L. Hoover	Wellsboro 16901	717-724-1842
Union	Richard W. Fry	Mifflinburg 17844	717-966-0821
Venango	Clarence W. Shearer	Cooperstown 16317	814-374-4146
Warren (E)	Paul R. Sowers	Warren 16365	814-723-1151
Warren (W)	George Jones	Tidioute 16351	814-484-3567
Washington	William Mantzell	Washington 15301	412-222-7360
Wayne	Michael Badner	Honesdale 18431	717-253-5534
Westmoreland	Donald M. Hyatt	Stahlstown	412-593-7018
Wyoming	Stephen A. Shabbick	Tunkhannock 18657	717-836-1377
York (N)	Warren W. Signer, Jr.	Dillsburg 17019	717-432-4149
York (S)	William F. Hartle	Windsor 17366	717-244-6192

C. Game Commission will assist with their communications system to relay, information to other government agencies and industry; will provide limited heavy equipment including tractors, graders and trucks within a reasonable traveling distance and will provide personnel for field activities involved in pollution incident response. The Game Commission will assist in evaluating the harm done to wildlife by a pollution incident and will advise as to steps that might be taken to mitigate effects. These resources are available at 717-787-5670 (working hours) or 717-787-4543, 24 hr. NE Div. 717-675-1143, Molski 675-0761, Myers 477-5730, Booth 696-1848, SE Div. 215-926-3136, Mace 944-7875, Jones 562-8402, NC Div. 717-398-4744, Laird 398-2748, Lavery 322-3836, Dodd 545-3476, SC Div. Glenny 814-643-6317, Moyle 717-899-6723, Hyde 814-643-3307. NW Div. 814-432-3187, Schake 676-1718, Yocum 676-1125, Sphar 676-2100, SW Div. 412-238-9523, Madl 238-5671, Maholtz 547-2010, Shaffer 238-6300.

D. Department of Transportation

1. Bureau of Maintenance will provide barricades and traffic control devices; will provide heavy earthmoving equipment and operators; will provide radio-equipped vehicles for communication; will furnish limited manpower; will utilize prearranged rental agreements for earthmoving equipment providing funds are available.

2. Bureau of Construction will provide technical expertise in the construction field.

3. Bureau of Materials, Testing and Research Laboratory will furnish chemists and laboratory facilities.

4. Hazardous Substances Transportation will provide technical consultation in the safe handling of hazardous substances.

E. State Police will provide manpower for the direction and control of traffic and pedestrians at the scene of pollution incidents; will utilize statewide network facilities of radio and teletype as well as portable field units to facilitate incident control; will provide helicopter field services, excluding transportation of personnel, under the direction of the Aviation Division Director, Pennsylvania State Police Headquarters; will supply Command Post Trailers to coordinate operations of pollution incidents; will provide Departmental-wide cooperation and assistance in the diversified matters involving pollution incidents. State Police offices - Apollo (Ph. 412-727-3434), Avondale (Ph. 215-268-2022), Beaver Falls (Ph. 412-843-5100), Bedford (Ph. 814-623-6133), Belle Vernon (Ph. 412-929-6262), Bethlehem (Ph. 215-691-6110), Bloomsuburg (Ph. 717-389-3711), Bowmmansville (Ph. 215-445-6716), Butler (Ph. 412-287-7747), Carlisle (Ph. 717-249-2121), Carnegie (Ph. 412-787-2000), Chambersburg (Ph. 717-264-5161), Clearfield (Ph. 814-857-7692), Corry (Ph. 814-664-4674), Coutersport (Ph. 814-274-8690), Doylestown (Ph. 215-343-1234), DuBois (Ph. 814-371-4652), Duncannon (Ph. 717-834-3102), Dunmore (Ph. 717-961-2461), Dushore (Ph. 717-928-8126), Easton (Ph. 215-258-0816), Ebenburg (Ph. 814-472-8500), Emporium (Ph. 814-483-3321), Ephrata (Ph. 717-733-8691), Erie (Ph. 814-898-1641), Everett (Ph. 814-652-6131), Fern Ridge (Ph. 717-646-2271), Fogelsville (Ph. 215-395-3328), Frackville (Ph. 717-874-0207), Franklin (Ph. 814-437-5791), Gettyburg (Ph. 717-334-8111), Gibson (717-465-3154), Gibsonia (Ph. 412-443-5907), Girard (Ph. 814-774-9610), Greensburg (Ph. 412-834-4400), Hamburg (Ph. 215-562-7525), Harrisburg (Ph. 717-234-4051), Haxelton (Ph. 215-562-7525), Hershey (Ph. 717-533-9111), Highspire (Ph. 717-939-9551), Hollidaysburg (Ph. 814-695-9783), Honesdale (Ph. 717-253-2130), Huntingdon (Ph. 814-643-4520), Indiana (Ph. 412-357-2888, Jonestown (Ph. 717-865-2194), Kane (Ph. 814-778-2232), Kittanning (Ph. 412-543-2011), Lancaster (Ph. 717-299-0441) Lehighton (Ph. 215-377-4270), Lewistown (Ph. 717-248-5453), Limerick (Ph. 215-279-4120), Lock Haven (Ph. 717-748-8019), Lykens (Ph. 717-453-7101), Mansfield (Ph. 717-662-2152), McConnellsburg (Ph. 717-485-3131), Meadville (Ph. 814- 336-3194), Media (Ph. 215-459-4150), Mercer (Ph. 412-662-4200),

Milesburg (Ph. 814-355-7545), Milford (Ph. 717-296-6451), Milton (Ph. 717-742-8761), Montoursville (Ph. 717-368-8141), New Castle (Ph. 412-658-1671), Newville (Ph. 717-776-3135), Philadelphia (Ph. 215-877-4500), Philipsburg (Ph. 814-342-3370), Pittsburgh (Ph. 412-661-5800), Plymouth Meeting (Ph. 215-828-5230), Pocono (Ph. 717-443-9511), Pottsville (Ph. 717-628-5885), Punsutawny (Ph. 814-938-6060), Quakertown (Ph. 215-536-2221), Reading (Ph. 215-372-4711), Ridgeway (Ph. 814-776-6136), Rickview (Ph. 814-355-7506), Schuylkill (Ph. 717-628-5885), Selinsgrove (Ph. 717-374-8145), Shamokin (Ph. 717-644-0464), Shickshinny (Ph. 717-542-4117), Shippenville (Ph. 814-226-6360), Somerset (Ph. 814-445-4104), Swiftwater (Ph. 717-889-7701), Tionesta (Ph. 814-755-3565), Towanda (Ph. 717-265-2186), Trevose (Ph. 215-757-6921), Tunkhannock (Ph. 717-836-2141), Uniontown (Ph. 412-437-1555), Warren (Ph. 814-723-8880), Washington (Ph. 412-225-2000), Waynesburg (Ph. 412-627-6151), Wyoming (Ph. 717-287-2185), York (Ph. 717-764-1181).

F. Department of Agriculture can provide chemists and laboratory facilities to assist in analyzing water samples. These resources are available at 717-787-4315.

G. State Council of Civil Defense should be notified of the pollution incident at 717-238-0421 if it appears to be at all possible the incident will become a disaster endangering people or property.

III. Sources of Cleanup Contractors, Equipment and Supplies

A. Cleanup Contractors - See Regional Plan - These companies can work anywhere in the region.

B. Absorbents

Shell Oil Herder	Transportation Sales Department Shell Oil Company One Shell Plaza Houston, Texas 77002
3M Brand Oil Sorbent Sausages & Pillows	New Business Ventures Division 3M Company 3M Center Bldg. 53-3 St. Paul, Minnesota 55101
Petro Trap	Petro Trap Box 157 West Port, Massachusetts 02790

Imbiber Beads	Gedcor Corporation 1313 Newburgh Road Westland, Michigan 48185
Sorbent C	Clear Water, Inc. P. O. Box 1002 Toms River, N.J. 08753
MP Boom	Metropolitan Petroleum Petrochemicals Company, Inc. 25 Caven Point Road Jersey City, N.J. 07305
Ekoperl Oil Absorbent	Metropolitan Petroleum Petrochemicals Company, Inc. 25 Caven Point Road Jersey City, N.J. 07305
Petro Seize	Alpha Omega Industrial Marketing & Development Corp. Highland Place 6151 Wilson Mills Road Highland Heights, Ohio 44143
Hay and Straw	Can usually be located thru the nearest Feed Dealer

C. Pumps

Mobile Dredging & Pumping Co. 344 Pottstown Road Exton, Pennsylvania Telephone: 215-363-6677	Inland Pumping & Dredging 138 West Lancaster Ave. Downington, Pennsylvania Telephone: 215-269-3900
John J. Colgan 830 W. Schiller Philadelphia, Pennsylvania Telephone: 215-634-0615	ARA Soxman Rent All, Inc. 8157 Bennet Pittsburgh, Pennsylvania Telephone: 412-241-4221
EZ Tool Rental 4634 North Front Philadelphia, Pennsylvania Telephone: 215-329-4400	ARA United Rent-All 4112 Saw Mill Run Blvd. Pittsburgh, Pennsylvania Telephone: 412-884-1887
Rental Tools & Equipment 3700 Richmond Philadelphia, Pennsylvania Telephone: 215-744-4510	32 Broadway Pittsburgh, Pennsylvania Telephone: 412-331-8112

C. Pumps (Continued)

Mihm Tool Supply
8000 Frankstown Ave.
Pittsburgh, Pennsylvania
Telephone: 412-241-1890

Homelite Div. of Textron
4200 Ohio River Blvd.
Pittsburgh, Pennsylvania
Telephone: 412-766-5770

D. Aircraft - Rental

Aero Taxi
Philadelphia Int'l Airport
Telephone: 215-727-7576

Copter, Inc.
Philadelphia Int'l Airport
Telephone: 215-724-5300

Hortman Aviation
3M Airport
Briston, Pennsylvania
Telephone: 215-943-7755
Trenton Road
Morrisville, New Jersey
Telephone: 609-295-7734

Penn Line Service
Scottdale & State
Scottdale, Pennsylvania
Telephone: 412-887-9110

Runway-Fire-Aviation, Inc.
Allegheny County Airport
West Mifflin, Pennsylvania
Telephone: 412-466-2294

Clark Aviation Corp.
Capital City Airport
Cumberland, Pennsylvania
Telephone: 717-774-0145

Keystone Helicopter Corp.
Philadelphia Int'l Airport
Telephone: 215-724-1300

Main Line Helicopter
New Garden Flying Field
Toughkenamon, Pennsylvania
Telephone: 215-268-8789

Ronson Helicopters
Mercer County Airport
Trenton, New Jersey
Telephone: 609-882-9286

Pittsburgh Airways
Monroeville Airport
Pittsburgh, Pennsylvania
Telephone: 412-372-0316

Rostraver Airport
South Pittsburgh, Pennsylvania
Telephone: 412-379-7900

Avion
Allegheny County Airport
West Mifflin, Pennsylvania
Telephone: 412-466-2900

Keystone Aeronautics
Allegheny County Airport
Pittsburgh, Pennsylvania
Telephone: 412-462-2800 or
412-628-9484

E. Waste Oil Disposal

Pitt Oil Co., Inc.
Helen & Robb
Pittsburgh, Pennsylvania
Telephone: 412-331-8257

Wiseman Roud Oil Co.
84 Montour Road
Coraopolis, Pennsylvania
Telephone: 412-331-7888

State of New Jersey (DER)
John Fitch Plaza, P.O. Box 1390
Trenton, Jew Jersey 08625
Solid Waste Disposal Program
Arthur W. Price
Telephone: 609-292-5560

Commonwealth of Pennsylvania
Department of Health
P.O. Box 90
Harrisburg, Pennsylvania 17120
Solid Waste Coordinator
Mr. Wayne L. Lynn
Telephone: 215-238-6783 office
215-666-6566 Non-duty

Rollins-Purle
Telephone: 302-478-5150

Amer. Waste Oil Co.
3401 North Hutchinson
Philadelphia, Pennsylvania
Telephone: 215-226-3052

Jacoby Waste Oil
1015 Chestnut
Philadelphia, Pennsylvania
Telephone: 215-627-1520

Marvin Jonas, Inc.
Barkridge Road
Sewell, N.J. 08080
Telephone: 215-727-1118

James D. Gibbons
110 East Main
Pottstown, Pennsylvania
Telephone: 215-326-0529

Note Waste Oil
Springfield, Pennsylvania
Telephone: 215-623-5147

Mr. Joesph Prespare
129 Putcan Avenue
Essington, Pennsylvania 19029

Allegheny Oil Industries
1105 12th Street
McKees Rick, Pennsylvania
Telephone: 412-331-0707

Bedford Waste Oil Service
29 Sivenburne
Pittsburgh, Pennsylvania
Telephone: 412-681-6355

Ed's Oil Service
1622 Grandview Avenue
North Braddock, Pennsylvania
Telephone: 412-823-1002

William Schiavoni
9216 Crispin
Philadelphia, Pennsylvania
Telephone: 215-333-0392

Waste Oil Service
1496 North 53rd
Philadelphia, Pennsylvania
Telephone: 215-878-1981

F. Floodlights & Searchlights

Brightlight Co.
130 West Tusculum
Philadelphia, Pennsylvania
Telephone: 215-423-3553

Delaware Valley Floodlighting
407- Hesters Avenue
Woodbury, New Jersey
Telephone: 609-845-5562

EZ Tool Rental
4634 North Front
Philadelphia, Pennsylvania
Telephone: 215-329-4400

Rental Tools & Equipment
3700 Richmond
Philadelphia, Pennsylvania
Telephone: 215-744-4510

Associated Theatres
Fulton Bl.
Pittsburgh, Pennsylvania
Telephone: 412-281-9838

JB Supply Co.
3435 Babcock Blvd.
Ross Twp., Pittsburgh Area
Telephone: 412-364-8033

G. U.S. Air Force Tanker Spray Planes

The aircraft noted here are potentially available in disaster situation for massive application of clean-up materials. Contact should be arrange through NRT.

Aircraft: C-123's - Five planes now equipped
Three at Langley, Va.
Two at Eglin AFB, Florida

Capabilities: Will spray all types of liquids and some solids of small grain size. Equipped with tanks and spray booms.

Assignment: Plans are assigned to the Tactical Air Command and are under combat status.

Commander TAC Headquarters
Langley Air Force Base
Langley, Virginia
FTS: 703-627-7471

Channels for Contact: Headquarters FTS:202-545-6700,
AFXOSO Ext. 776 or 3833
Washington, D.C.
(Director of Operations)

Other Possible Sources of Spray Planes

Armed Forces Pest Control Board
Washington, D.C.

U.S. Airforce Force Tanker Spray Planes

Canadian Air Force - Chemical dumping capabilities
Contact to be arranged through NRT only.

Hanscom Air Force Base
DOD Liaison Office
Bedford, Mass.

Telephone: 617-273-6100
Ext. 5305
Boston FTS: 617-223-2100

H. Tank Trucks

BP Refining Co.
Marcus Hook, Pennsylvania
Telephone: 215-494-3600

Sun Oil Co.
Marcus Hook, Pennsylvania
Telephone: 215-485-1121
2 - unknown

Texco, Inc.
Westville, New Jersey
Telephone: 609-845-8000
50 bbls.

Delaware River Port Authority
Philadelphia, Pennsylvania
Telephone: 215-925-8780
2 -2000 gals.

I. Vacuum Trucks

Hirth Oil Co.
2890 R. 83rd
Cleveland, Ohio
7 trucks (4500 gals.) and pumps

P & K Oil Service
6929 Detroit Avenue
Cleveland, Ohio
Telephone: 216-961-6496
4 trucks (1500 gals.) and pumps

George C. Allen & Son
126 Holly Drive
Horsham, Pennsylvania
Telephone: 125-TU6-3400 or
215-OL9-3028

Usher Waste Oil
2205 West 3rd
Cleveland, Ohio
Telephone: 126-861-1907
10 trucks (5 - 8000 gals.) and pumps

Fast Pollutant Treatments, Inc.
312 West DeKalb Pike
King of Prussia, Pennsylvania
Telephone: 215-265-3060

J. Skimmers

Bethlehem Steel Corporation
3535 Lakeshore
Lackawanna, New York
1-300 GPH floating type gasoline driven
1-55 GPH conveyer type

Harbor Commissioner
Telephone: 216-694-3390
Cleveland, Ohio
1 floating skimmer

K. Oil Barges

Humble Oil and Kerining
Paulsboro, New Jersey
Telephone: 609-423-2200
1-clean-30,000 bbls.
2-dirty-12,000 bbls.

U.S. Army Corps of Engineers
Philadelphia, Pennsylvania
Telephone: 125-597-4883
11-unknown

Atlantic Richfield Co.
Philadelphia, Pennsylvania
Telephone: 215-465-2345
1-dirty-unknown

U.S. Naval Base
Philadelphia, Pennsylvania
Telephone: 215-755-3871
1-44,000 gals.
3-33,000 gals.

Interstate Oil Transport
Philadelphia, Pennsylvania
Telephone: 215-569-1200
16-unknown

L. Boats

U.S. Army Corps of Engineers
Telephone: 216-621-7962

Benson Hanserman via Harbor Master
Telephone: 216-621-3256

Ind. Waste Bureau
Division of Water Pollution Control
2785 Broadway
Cleveland, Ohio
Mr. Ray Rath
Telephone: 216-694-3320

Cleveland Fire Department
Telephone: 216-621-1212
Boats: rowboat and 50 ft. launch
4 - 40 ft., 1-18 ft. on trailer

M. Solid Waste Coordinators

REGION I

NORRISTOWN

Mr. Wayne L. Lynn
Solid Waste Coordinator
1875 New Hope Street
Norristown, Pennsylvania 19401
Phone: (AC 215-631-2413

Bucks (County Health Department)
Chester (County Health Department)
Delaware County
Montgomery County
Philadelphia (County Health Department)

REGION II (North)

KINGSTON

Mr. Frederick Karl
Solid Waste Coordinator
P.O. Box 659
Wilkes-Barre, Pennsylvania 18703
Phone - (AC 717-288-6479

Bradford County
Lackawanna County
Luzerne County
Monroe County
Pike County
Sullivan County
Susquehanna Co.
Tioga County
Wayne County
Wyoming County

REGION II (South)

READING

Mr. Emil S. Washko
Solid Waste Coordinator
16 Angelica Street
Reading, Pennsylvania 19602
Phone - (AC 215) 378-4358

Berks County
Carbon County
Lehigh County
Northampton County
Schuylkill County

REGION III

HARRISBURG

Mr. Edward R. Simmons
Solid Waste Coordinator
Room 1002- Health & Welfare Bldg.
Harrisburg, Pennsylvania 17120
Phone - (AC 717) 787-9698

Adams County
Cumberland County
Dauphin County
Franklin County
Lancaster Co.
Lebanon County
Perry County
York County

REGION IV

WILLIAMSPORT

Mr. Wilbur I. Taxis
Solid Waste Coordinator
736 W. Fourth Street
Williamsport, Pennsylvania 17701
Phone - (AC 717) 326-2681

Bedford County
Blair County
Cambria County
Centre County
Clinton County
Columbia County
Fulton County
Huntingdon County
Juniata County
Lycoming County
Mifflin County
Montour County
Northumberland Co.
Snyder County
Somerset County
Union County

REGION V

PITTSBURGH

Mr. Elias E. Nickman
Solid Waste Coordinator
Room 809 - Kossman Bldg.
Forbes at Stanwix Street
Pittsburgh, Pennsylvania 15222
Phone - (AC 412) 565-5017

Allegheny (County Health Department)
Armstrong County
Beaver County
Butler County
Fayette County
Greene County
Indiana County
Washington County
Westmoreland County

REGION VI

SHARON

Mr. Russell Crawford
State Health Center
900 North Hermitage Road
Sharon, Pennsylvania 16146
Phone - (AC 412) 347-4509

Cameron County
Clarion County
Clearfield County
Crawford County
Elk County
Erie (County Health Department)
Forest County
Jefferson County
Lawrence County
McKean County
Mercer County
Potter County
Venango County
Warren County

N. Permitted Landfill Sites

Adams County

Menallen Township Landfill
Menallen Township
Permit Issued - 1/21/74

Allegheny County

Kelly Run Sanitary Landfill
Forward Township
Permit Issued - 12/4/72

Aloe Sanitary Landfill
Findlay Township
Permit Issued - 1/4/73

Chamber Dev. Corp. Landfill
Monroeville
Permit Issued - 3/6/72

Mazzaro Sanitary Landfill
Findlay Township
Permit Issued - 3/6/72

Bailie's Sanitary Landfill
Frazer Township
Permit Issued - 6/21/73

Phillips Landfill
Stowe & Kennedy Townships
Permit Issued - 11/20/74

Beaver County

Beaver County Landfill
South Beaver Township
Permit Issued - 11/16/71

Bedford County

Bedford County Landfill
Broad Top Township
Permit Issued - 4/7/72

Bedford Sanitation Service
Colerain Township
Permit Issued - 11/16/72

Berks County

Western Berks Sanitary Landfill
No. 1 - Site b-2
Cumru Township
Permit Issued - 12/5/72

Area A & B1
Permit Issued 2/27/74

Blair County

Parshall Landfill
Antis Township
Permit Issued - 11/18/74

Bucks County

Warner Company Landfill
Falls Township
Permit Issued - 8/12/70

Hidden Valley Landfill
Nockamixon Township
Permit Issued - 6/4/71

Jay-Cee, Inc. Landfill
Tullytown Borough
Permit Issued - 3/22/73

Butler County

Vogel Landfill
Jackson & Lancaster Townships
Permit Issued - 7/30/73

Cambria County

Wright's Landfill
Blacklick Township
Permit Issued - 3/2/73

Mainline Sanitation
Portage Township
Permit Issued - 7/15/74

Carrolltown
West Carroll Township
Permit Issued - 2/21/74

Cameron County

Cameron County Landfill
Shippen Township
Permit Issued - 5/12/72

Centre County

Carlin Landfill No. 1
Snoe Shoe Township
Permit Issued - 10-12-71

Chester County

Francis Cloud Sanitary Landfill
Lower Oxford Township
Permit Issued - 1/31/72

Knickerbocker Sanitary Landfill
Area A South
East Whiteland Township
Permit Issued - 12/1/72

Southeastern Chester Co. Landfill
Kennett Township
Permit Issued - 11/29/73

Coatesville Landfill
Valley Township
Permit Issued 9/23/74

Clearfield County

Luzier Sanitary Landfill
Lawrence Township
Permit Issued - 6/11/74

Kepharts Landfill
Decatur Township
Permit Issued 11/14/74

Clarion County

Frysburg Landfill
Elk Township
Permit Issued 3/1/74

Boggs Landfill
Washington Township
Permit Issued 6/3/74

Clinton County

Clinton County Refuse Auth. Landfill
Wayne Township
Permit Issued 8/20/73

Columbia County

Columbia County Authority Landfill
Mt. Pleasant Township
Permit Issued 6/15/73

Cumberland County

Community Refuse - Cumberland Fill
Hopewell Township
Permit Issued 8/14/74

Dauphin County

Lower Paxton Township Landfill
Lower Paxton Township
Permit Issued 2/23/72

Harrisburg Incin. Residue Area
Harrisburg
Permit Issued 5/15/73

Derry Township Landfill
Derry Township
Permit Issued 1/2/73

Delaware County

Ridley Creek St. Park Stump Disp.
Edgemont Township
Permit Issued 9/23/74

Erie County

Penn Disposal #3 (closed but permit still valid)
Wayne Township
Permit Issued 9/30/70

Lakeview Landfill
Summitt Township
Permit Issued 7/3/74

Fayette County

Kennedy Landfill
North Union Township
Permit Issued 1/26/73

Franklin County

R & A Bender Landfill
Greene Township
Permit Issued 4/24/73

Quincy Township Landfill
Quincy Township
Permit Issued 6/3/74

Huntingdon County

Mt. Union Sanitary Landfill
Shirley Township
Permit Issued 10/15/71

Indiana County

Scholfield Landfill
Young Township
Permit Issued 3/4/74

Jefferson County

Snyder Township Landfill
Snyder Township
Permit Issued 5/17/71

Juniata County

Rambler Disposal Service landfill
Walker Township
Permit Issued 2/18/74

Pike County

Sunset Acres Landfill
Lehman Township
Permit Issued 9/6/73

Schuylkill County

Turkey Run Landfill
West Mahanoy Township
Permit Issued 4/3/73

John Fry Tract Landfill
Reilly Township
Permit Issued 11/20/74

Buck Mountain (Reading Railroad)
Mahanoy Township
Permit Issued 5/7/71

Somerset County

Summit Township Landfill
Summit Township
Permit Issued 6/8/73

Union County

Union County Sanitary Landfill #1
East Buffalo & Union Townships
Permit Issued 3/1072

Lycoming Supply Demolition Site
Kelly Township
Permit Issued 11/26/74

Warren County

Grunderville Landfill
Pleasant Township
Permit Issued 4/17/72

Washington County

Wayne Cook Landfill
Robinson Township
Permit Issued 2/20/73

Wayne County

Rosencranse Landfill
Berlin Township
Permit Issued 5/11/71

Trails End Camp Ldf. (camp waste only)
Berlin Township
Permit Issued 3/9/73

Camp Equinunk & Blueridge Landfill
Manchester Township
Permit Issued 1/21/74

Round Lake Site Landfill
Preston Township
Permit Issued 8/28/73

Wayne County

Camp Towanda Landfill
Lebanon Township
Permit Issued 7/2/73

Westmoreland County

City of Greensburg
Hempfield Township
Permit Issued 10/10/73

Bridge Coal Co., Inc. Landfill #1
Ligonier Township
Permit Issued 10/23/74

Lackawanna County

DeNaple Landfill
Dunmore Borough
Permit Issued 1/31/72

Lackawanna Refuse Removal, Inc.
Old Forge Borough & Ransom Twp.
Permit Issued 3/21/73

Empire Sanitary Landfill
Taylor Borough & Ransom Twp.
Permit Issued 3/19/73

Amity Landfill
Taylor Borough
Permit Issued 8/17/73

Bichler Landfill
Taylor Borough
Permit Issued 6/20/74

Lancaster County

Salisbury Township Landfill
Salisbury Township
Permit Issued 1/18/74

Lanchester Corp. Landfill
Caernarvon Township
Permit Issued 7/30/74

Lawrence County

Kirkpatrick Sanitary Landfill
Slippery Rock Township
Permit Issued 11/9/71

Joseph Cioffi Landfill (Demolition)
New Castle
Permit Issued 8/14/74

Lehigh County

Novak Landfill
South Whitehall Township
Permit Issued 3/24/72

Lehigh County Authority Reduction Site #1 (Recycling)
Upper Saucon Township
Permit Issued 4/11/74

Lycoming County

Beltway Waste Disposal Landfill (Demo)
Williamsport
Permit Issued 11/6/70

Lycoming County Landfill
Brady Township
Permit Issued 10/7/74

Montgomery County

Montgomery County Sanitary Ldf. No. 1
Upper Merion Twp.
Permit Issued 4/3/70

Ambler Quarry, Inc. (permit revoked)
Upper Dublin Township
Permit Issued 4/20/71

Pasquale Quarry (permit revoked)
Upper Merion Township
Permit Issued 12/31/71

Pottstown Disposal Service Landfill
West Pottsgrove Township
Permit Issued 3/15/73

Northumberland County

Delta Demolition Debris Landfill
West Chillisquaque Township
Permit Issued 6/3/74

York County

Harmony Sanitary Landfill
(permit revoked) (closed)
Dover Township
Permit Issued 4/20/70

Hanover Borough
Manheim Township
Permit Issued 12/10/73

York County Solid Waste & Refuse Authority Site No. 1
Hopewell Township
Permit Issued 8/28/74

Sunny Farms Sanitary Landfill
North Codorus Township
Permit Issued 3/4/74

O. Liquid Waste Disposal - Incinerators

BUREAU OF AIR POLLUTION CONTROL

The following is a list of the regional offices of the State's Bureau of Air Pollution Control and respective Engineers:

Region I -

Mr. Frank Willard, Jr.
Regional Air Pollution Control Engineer
1875 New Hope Street
Norristown, Pa. 19401
Phone: 215/277-3210
8/354-2301

Region II -

Mr. James Chester
Regional Air Pollution Control Engineer
383 Wyoming Avenue
Kingston, Pa. 18704
Phone: 717/825-7511
8/493-3477

Region II -

Mr. John McGrogan
Regional Air Pollution Control Engineer
401 Buttonwood Street
West Reading, Pa. 19602
Phone: 125/374-4031
8/456-3276

Region III -

Mr. William Thompson
Regional Air Pollution Control Engineer
State Health Center
425 East North Street
Caslisle, Pa. 17013
Phone: 717/243-5151

Region IV -

Mr. Joseph Cooper
Regional Air Pollution Control Engineer
Harry Schwab Bldg.
Williamsport, Pa. 17701
Phone: 727/323-3746
8/465-5226 or 5227

Region V -

Mr. Nicholas Pazuchanics
Regional Air Pollution Control Engineer
505 Pittsburgh State Office Bldg.
300 Liberty Avenue
Pittsburgh, Pa. 15222
Phone: 412/565-5102
8/645-5102 or 5106

Region VI -

Mr. Richard Zinn
Regional Air Pollution Control En Engineer
996 South Main Street
Meadville, Pa. 16335
Phone: 814/724-4501

Air Basin Engineers

Mr. Robert Clark
Air Pollution Control E Engineer
State Health Center
213 West High Street
Evensburg, Pa. 15931
Phone: 814-472-9000, 8/464-5363

Mr. Raymond Scheffer
Air Pollution Control Engineer
Erie County Department of Health
606 West Second Street
Erie, Pa. 16502
Phone: 814/454-5811

Mr. James Benson (on educational level)
Air Pollution Control Engineer
439 East King Street
Lancaster, Pa. 17602
Phone: 717/299-0731
8/482-2342

INCINERATORS

Route 65, Ambridge; 15th Street, Beaver Falls; Midland, Calcon Hook Road, Tribell Avenue, Folcroft; 2300 Concord Road, Feltonville, Chester Township; Sussex Blvd. & Mapitt Dr., Broomall, Marple Twp; 315 Basin Street, Allentown; Seward Ave., Bradford, Woodbine Ave., Penn Valley, L. Merion Township; Fitzwatertown Road, (Upper Dublin Township); Abington Township; Park Avenue Ext., Monongahela; W. High Street, Red Lion, R.L. Boro; Harrisburg.

CIVIL DEFENSE AREA ASSIGNMENTS

(July 1976)

COUNTIES IN EASTERN AREA

Berks	Delaware	Montgomery	Sullivan
Bradford	Lackawanna	Northampton	Susquehanna
Bucks	Lehigh	Philadelphia	Tioga
Carbon	Luzerne	Pike	Wayne
Chester	Monroe	Schuylkill	Wyoming

EASTERN AREA DIRECTOR - MR. JACK ANDERSON
Eastern Area Director
State Council of Civil Defense
Hamburg State School and Hospital
Hamburg, Pennsylvania 19526
Bus. Phone: 215-562-3003
Emergency Phone: 215-562-3004
Home Phone: 215-562-8711

COUNTIES IN CENTRAL AREA

Adams	Columbia	Juniata	Northumberland
Bedford	Cumberland	Lancaster	Perry
Blair	Dauphin	Lebanon	Snyder
Cambria	Franklin	Lycoming	Somerset
Centre	Fulton	Mifflin	Union
Clinton	Huntingdon	Montour	York

CENTRAL AREA DIRECTOR - MR. J. ROBERT STIMMEL
Central Area Director
State Council of Civil Defense
Box 88
Selinsgrove, Pennsylvania 17870
Bus. Phone: 717-374-2055
Emergency Phone: 717-374-2065
Home Phone: 717-743-7727

COUNTIES IN WESTERN AREA

Allehgeny	Clearfield	Greene	Potter
Armstrong	Crawford	Indiana	Venango
Beaver	Elk	Jefferson	Warren
Butler	Erie	Lawrence	Washington
Cameron	Fayette	McKean	Westmoreland
Clarion	Forest	Mercer	

WESTERN AREA DIRECTOR - MR. PAUL Y. WHITE
Western Area Director
State Council of Civil Defense
Indiana University of Pennsylvania
Bus. Phone: 412-357-2990
Emergency Phone: 412-357-2990
Home Phone: 412-349-2204

COUNTY DIRECTORS

1. Mr. James D. Fox, Director
Adams County Civil Defense
Court House Annex, 111 Baltimore Street
Gettysburg, Pennsylvania 17325
Bus. Phone 717-334-6781, X-48
Home Phone: 717-334-8543

2. Mr. Robert G. Kroner, Director
Allegheny County Civil Defense
Jones Law Building, 12th Floor
301 Ross Street
Pittsburgh, Pennsylvania 15219
Bus. Phone: 412-355-5398
Home Phone: 412-355-4215

3. Mr. J. Maro Hillwig, Act. Director
Armstrong County Civil Defense
125 Queen Street
Kittanning, Pennsylvania 16201
Bus. Phone: 412-542-2741
Home Phone: 412-526-5520

4. Mr. Daniel Donatella, Director
Mail Mr. Philip T. Starr, Ex. Director
Beaver County Civil Defense
P.O. Box 253
250 East End Avenue
Beaver, Pennsylvania 15009
Bus. Phone: 412-774-5000 (Donatella)
Bus. Phone: 412-774-1049 (Starr)
Home Phone: 412-643-9049 (Donatella)
Home Phone: 412-774-0897 (Starr)

5. Mr. LeGrank W. Perce, III, Director
Bedford County Civil Defense
Court House Annex, Room 2
Bedford, Pennsylvania 15522
Bus. Phone: 814-623-6188
Home Phone: 814-623-5844

6. Mr. Philip F. Chulick, Director
Berks County Civil Defense
Agricultural Building, R.D. 1
Leesport, Pennsylvania 19533
Bus. Phone: 215-374-4800
Home Phone: 215-374-4627

10. Mr. Clinton C. Greenawalt, Director
Butler County Civil Defense
703 Morton Avenue
Butler, Pennsylvania 16001
Bus. Phone: 412-287-7769
Home Phone: 412-287-1432

11. Mr. Michael Kreskosky, Director
Cambria County Civil Defense
Court House
Ebensburg, Pennsylvania 15931
Bus. Phone: 814-472-9797
Home Phone: 814-749-9437

12. Mr. John R. Sevinsky, Director
Cameron County Civil Defense
Court House
Emporium, Pennsylvania 15834
Bus. Phone: 814-483-3354
Home Phone: 814-486-3951

13. Mr. Nelson W. Norwood, Director
Carbon County Civil Defense
Court House
Jim Thorpe, Pennsylvania 18229
Bus. Phone: 717-325-3097
Home Phone: 717-325-3976

14. Mr. George N. Boughter, Director
Centre County Civil Defense
Court House, Room 404
Bellefonte, Pennsylvania 16823
Bus. Phone: 814-355-9421
Home Phone: 814-355-4518

15. Mr. Vernon Ruoss, Director
Chester County Civil Defense
14 East Biddle Street
West Chester, Pennsylvania 19380
Bus. Phone: 215-431-6400
Home Phone: 215-444-4885

16. Mr. Bernard C. Lahr, Director
Clarion County Civil Defense
Court House
Clarion, Pennsylvania 16214

17. Mrs. Mary E. Shaffer, Director
Clearfield County Civil Defense
Clear Haven
Clearfield, Pennsylvania 16830
Bus. Phone: 814-765-5357
Home Phone: 814-371-5879

18. Mr. Percy C. Frazier, Director
Clinton County Civil Defense
Susque-View, Cree Drive
Lock Haven, Pennsylvania 17745
Bus. Phone: 717-748-4275
Home Phone: 717-753-5556

19. Mr. G. Edward Deily, Director
Columbia County Civil Defense
Court House, West Main Street
Bloomsburg, Pennsylvania 17815
Bus. Phone: 717-784-1991, X-37
Hone Phone: 717-784-5950

20. Mr. Dennis M. Blank, Director
Crawford County Civil Defense
Court House
Meadville, Pennsylvania 16335
Bus. Phone: 814-724-8110
Home Phone: 814-724-2673

21. Mr. Thomas E. Blosser, Director
Cumberland County Civil Defense
Court House
Carlisle, Pennsylvania 17013
Bus. Phone: 717-249-1133, X288, 289

22. Mr. Kevin J. Molloy, Director
Dauphin County Civil Defense
Court House
Harrisburg, Pennsylvania 17101
Bus. Phone: 717-238-1693
Home Phone: 717-944-3170

23. Mr. David Meade, Director
Delaware County Civil Defense
Court House
Media, Pennsylvania 19063
Bus. Phone: 215-566-5500
Home Phone: 215-284-0578

24. Mr. Dean Lanese, Director
Elk County Civil Defense
Court House
Ridgway, Pennsylvania 15853
Bus. Phone: 814-776-1161, X-14, 15
Home Phone: 814-864-9968

25. Mr. Ross I. Webb, Director
Erie County Civil Defense
City Hall Building, Room 207
Erie, Pennsylvania 16501
Bus. Phone: 814-456-8561, X-284
Home Phone: 814-864-9968

26. Mr. Terry Rice, Director
Fayette County Civil Defense
Court House
Uniontown, Pennsylvania 15401
Bus. Phone: 412-437-2701
Home Phone: 412-529-2476

27. Mr. Rendall B. Agnew, Director
Forest County Civil Defense
Tionesta, Pennsylvania 16353
Bus. Phone: 814-755-3517
Home Phone: 814-755-4549

28. Mr. William B. Sturtevant, Jr., Dir.
Franklin County Civil Defense
Court House
Chambersburg, Pennsylvania 17201
Bus. Phone: 717-264-4125, X-32

29. Mr. Lester Carmack, Director
Fulton County Civil Defense
Court House
McConnellsburg, Pennsylvania 17233
Bus. Phone: 717-485-3201/263-4897
Home Phone: 717-485-3201

30. Mr. J. Edward Church, Director
Greene County Civil Defense
Waynesburg Fire Department
East Freene Street
Waynesburg, Pennsylvania 15370
Bus. Phone: 412-627-9297
Home Phone: 412-627-5869

31. Mr. Karl W. Lang, Act. Director
Huntingdon County Civil Defense
Court House
Huntingdon, Pennsylvania 16652
Bus. Phone: 814-643-6623
Home Phone: 814-643-0805

32. Mr. William J. Smith, Director
Indiana County Civil Defense
Court House
Indiana, Pennsylvania 15701
Bus. Phone: 412-465-2330
Home Phone: 412-465-8622

33. Mr. William A. Reeves, Director
Jefferson County Civil Defense
Spirit Building, Findley Street
Punxsutawney, Pennsylvania 15767
Bus. Phone: 814-938-4012
Home Phone: 814-938-6863

34. Mrs. Patricia Martzall, Director
Juniata County Civil Defense
Court House
Mifflintown, Pennsylvania 17059
Bus. Phone: 717-436-2181
Home Phone: 717-535-5591

35. Mr. Willard W. Beynon, Director
Lackawanna County Civil Defense
Court House
Scranton, Pennsylvania 18503
Bus. Phone: 717-347-6820
Home Phone: 717-344-7491

36. Mr. Paul L. Leese, Director
Lancaster County Civil Defense
900 E. King Street
Bus. Phone: 717-394-0739
Home Phone: 717-393-4532

37. Mr. John A. Meehan, Chairman
Lawrence County Board of
Commissioners
Court House
New Castle, Pennsylvania 16101
Bus. Phone: 412-658-7485
Home Phone: 412-652-3551

38. Mr. Walter W. Francis, Director
Lebanon County Civil Defense
Lebanon, Pennsylvania 17042
Bus. Phone: 717-272-7621
Home Phone: 717-272-6076

39. Mr. Jerry Duckett, Director
Lehigh County Civil Defense
455 Hamilton Street
Allentown, Pennsylvania 18102
Bus. Phone: 215-434-9471, X-275
Home Phone: 215-395-3675

40. Gen. Frank Townend, Director
Luzerne County Civil Defense
Court House
Wilkes-Barre, Pennsylvania 18702
Bus. Phone: 717-825-7725
Hone Phone: 717-675-0739

41. Mr. John E. Rupert, Director
Lycoming County Civil Defense
48 W. Third Street
Williamsport, Pennsylvania 17701
Bus. Phone: 717-323-9811, X-200
Home Phone: 717-323-9028

42. Mr. Lawrence R. Warner, Jr., Dir.
McKean County Civil Defense
Court House
Smethport, Pennsylvania 16749
Bus. Phone: 814-368-7166
Home Phone: 814-887-9157

43. Mr. James Mondok, Director
Mercer County Civil Defense
Court House
Mercer, Pennsylvania 16137
Bus. Phone: 412-662-3800, X-48
Home Phone: 412-342-2519

44. Mr. James A. Kepler, Director
Mifflin County Civil Defense
County Office Building
18-32 Juniata Street
Lewistown, Pennsylvania 17044
Bus. Phone: 717-248-9646
Home Phone: 717-248-0118

45. Mr. Joel W. Keller, Director
Monroe County Civil Defense
Court House
Stroudsburg, Pennsylvania 18360
Bus. Phone: 717-421-6110
Home Phone: 717-629-1101

46. Mr. Samuel L. Ely, III, Director
Montgomery County Civil Defense
400 Markley Street
Norristown, Pennsylvania 19404
Bus. Phone: 215-279-2000
Home Phone: 215-287-9448

47. Mr. Carmon C. Erb, Director
Montour County Civil Defense
Court House
Danville, Pennsylvania 17821
Bus. Phone: 717-275-4402
Home Phone: 717-275- 1844

48. Mr. Mark A. Farrell, Director
Northampton County Civil Defense
Court House
Easton, Pennsylvania 18042
Bus. Phone: 215-258--0481
Home Phone: 215-252-2077

49. Mr. Frank J. Maliszeski, Director
Northumberland County Civil Defense
Court House
Easton, Pennsylvania 18042
Bus. Phone: 215-258-0481
Hone Phone: 215-252-2077

50. Mr. David B. Fry, Director
Perry County Civil Defense
Court House
New Bloomfield, Pennsylvania 17068
Bus. Phone: 717-582-2131, X-256
Home Phone: 717-536-3417

51. Mr. Joseph R. Rizzo, Director
Philadlephia County Civil Defense
Office of Emergency Preparedness
Fire Administtation Building
3rd & Spring Garden Streets
Philadelphia, Pennsylvania 19123
Bus. Phone 215-686-3680/4700
Home Phone: 215-686-4733

52. Mr. Rondolop D. Gregory, Director
Pike County Civil Defense
Court House
Milford, Pennsylvania 18337
Bus. Phone: 717-296-6714
Home Phone: 717-296-7343

53. Mr. Charles B. Baker, Director
Potter County Civil Defense
P.O. Box 107
Coudersport, Pennsylvania 16915
Bus. Phone: 814-274-8900
Home Phone: 814-544-7441

54. Mr. Arthur Johnson, Director
Schuylkill County Civil Defense
Court House
Pottsville, Pennsylvania 17901
Bus. Phone: 717-622-5570, X-288
Home Phone: 717-668-3446

55. Mrs. Grace R. Stevenson, Direction
Snyder County Civil Defense
P.O. Box 150
Selinsgrove, Pennsylvania 17870
Bus. Phone: 717-374-8105
Home Phone: 717-374-8512

56. Mr. William C. James, Director
Mr. James Welsh, Ex. Director
Somerset County Civil Defense
Court House
Somerset, Pennsylvania 15501

56 Con't.
Bus. Phone: 814-445-6186 (James)
Bus. Phone: 814-445-5716 (Welsh)
Home Phone: 814-445-5685 (James)
Home Phone: 814-445-5193 (Welsh)

57. Mr. A. F. Snyder, Director
Sullivan County Civil Defense
Dushore, Pennsylvania 18614
Bus. Phone: 717-928-8237
Home Phone: 717-928-8592

58. Mr. Robert A. Christian, Director
Susquehanna County Civil Defense
Court House
Montrose, Pennsylvania 18801
Bus. Phone: 717-278-1901
Home Phone: 171-278-3188

59. Mr. Jack Rymell, Director
Tioga County Civil Defense
Wellsboro, Pennsylvania 16901
Bus. Phone: 717-724-1901
Bus. Phone: 717-724-2633

60. Mr. Herbert F. Tucker, Act. Dir.
Union County Civil Defense
Court House Annex
Lewisburg, Pennsylvania 17837
Bus. Phone: 717-523-3201
Home Phone: 717-523-9901

61. Mr. J. Leon Kean, Director
Venango County Civil Defense
Court House
Franklin, Pennsylvania 16323
Bus. Phone: 814-437-6871, X225
Home Phone: 814-374-4148

62. Mr. Henry J. Dahl, Director
Warren County Civil Defense
Court House
Warren, Pennsylvania 16365
Bus. Phone: 814-723-7550, X60
Home Phone: 814-723-3382

63. Mr. Edward M. Paluso, Director
Mr. Charles O. Bohner, Ex. Director
2198 North Main Street
Washington, Pennsylvania 15301
Bus. Phone: 412-225-0100 (Paluso)
Bus. Phone: 412-222-8970 (Bohner)
Home Phone: 412-483-8684 (Paluso)
Home Phone: 412-222-5931 (Bohner)

64. Mr. S. Elmore Haag, Director
Wayne County Civil Defense
Court House
Honesdale, Pennsylvania 18431
Bus. Phone: 717-253-1622
Home Phone: 717-676-3358

65. Mr. John W. Peck, Director
Mr. F. Edward Jackson, Ext. Director
Westmoreland County Civil Defense
R.D. 8, Box 23A
Bus. Phone: 412-834-2191 (Peck)
Bus. Phone: 412-834-7007 (Jackson)
Home Phone: 412-335-9284 (Peck)
Home Phone: 412-837-3397 (Jackson)

66. Mr. Robert W. Friot, Director
Wyoming County Civil Defense
R.D. 2, Box 111
Tunkhannock, Pennsylvania 18657
Bus. Phone: 717-836-2181
Home Phone: 717-333-4850

67. Mr. Leslie Jackson, Director
York County Civil Defense
Court House
York, Pennsylvania 17401
Bus. Phone: 717-848-3301, X-318
Home Phone: 717-764-0642

West Virginia Oil and Hazardous Substances Pollution Contingency Plan

The following is a rewrite of the West Virginia Contingency Plan prepared by EPA's Wheeling Field Office. Their plan stands on its own while this Plan depends very heavily on the Regional and National Plans.

Table of Contents

I West Virginia Laws
II West Virginia State Agencies
- A. Department of Natural Resources
  - 1. Division of Water Resources
  - 2. Division of Law Enforcement
  - 3. Division of Wildlife Resources
- B. Department of Health
- C. West Virginia State Police Detachments
- D. Department of Highways

III Sources of Cleanup Contractors, Equipment and Supplies
- A. Cleanup Contractors
- B. Hay and Straw
- C. Equipment and Tools
- D. Charter Aircraft
- E. Airports with Ground Transportation

IV Waste Disposal Sites
- A. State Approved Solid Waste Disposal Sites
- B. Liquid Waste Disposal

V Critical Water Use Areas
- A. Potable Water Intakes
- B. Recreational Areas
- C. Designated Trout Waters

VI Advisory Agencies & Mutual Aid Groups
VII Offices of Emergency Services
VIII Weather Forecasting Information
IX COE Locks and Dams

I West Virginia Laws

The West Virginia Administrative Regulation, Section 4, State Water Resources Board, required that: "Each and every municipality, corporation, person or other entity...responsible for any spill or accidental discharge into the waters of the state...shall give prompt notification...to the Division of Water Resources." Failure to provide such notification shall be punishable under Section 19, Article 5A, Chapter 20, Code of West Virginia. This Section provides for a criminal penalty of a fine of not less than $100 nor more than $1000, or by imprisonment for a period not exceeding six months, or by both fine and imprisonment.

For a more complete understanding of State Laws, persons should obtain copies of these laws and associated regulations.

II West Virginia State Agencies

A. Department of Natural Resources

1. Division of Water Resources (DWR) is the appropriate State agency to receive spill reports. The DWR has five district offices, each responsible for certain counties within the state. The following is a listing of counties within each district and the appropriate individual to notify for spills occurring within the district:

Counties		Individual to Notify
Boone	Mason	
Cabell	Nicholas	
Calhoun	Putnam	Charleston, WV Office
Clay	Roane	Tel: 348-6377
Fayette	Wayne	
Kanawha	Webster	
Berkeley	Mineral	Mr. Forrest Grady
Grant	Morgan	Romney, WV Office
Hampshire	Pendleton	Office: 822-3551
Hardy	Pocahontas	Residence: 822-3195
Jefferson		
Barbour	Monongalis	
Braxton	Preston	
Doddridge	Randolph	Mr. Stephen Keen
Gilmer	Taylor	Fairemont, WV Office
Harrison	Tucker	Office: 366-5880
Lewis	Upshur	Residence: 292-0307
Marion		
Greenbrier	Mongo	Mr. Joseph Holly
Lincoln	Monroe	Beckley, WV Office
Logan	Raleigh	Office: 252-8585
McDowell	Summers	Residence: 583-7453
Mercer	Wyoming	
Brooke	Ritchie	Mr. Douglas Foley
Hancock	Tyler	Parkersburg, WV Office
Jackson	Wetzel	Office: 485-5426
Marshall	Wirt	Residence: 665-2140
Ohio	Wood	
Pleasants		

If the individual listed above cannot be reached, then notify the Division Headquarters in Charleston.

Tel: 348-2107 or 348-6376

Mr. Edgar N. Henry	Res: 768-2696
Mr. John A. Hall	Res: 768-3327
Mr. Jerry Ray	Res: 755-7628

The DWR will notify other responsible State agencies as the situation requires.

2. Division of Law Enforcement

The Division of Law Enforcement maintains Conservation Officers in each county of the State. These individuals play an important role in the enforcement of environmental laws at the local level and are usually involved in investigations of spill incidents. The following is a listing of Conservation Officers by county:

County	Name	Telephone Numbers
Barbour	James J. Davis	
Berkeley	Philip W. Steorts	Res: 267-8337
Boone	Duane Stowers	Res: 369-4351
Boone	Dwane Wears	Res: 837-7550
Braxton	Sgt. Raymond Carson, Jr.	Res: 765-7169
Braxton	William B. Daniel	Res: 765-2372
Brooke	Richard McCrobie	
Cabell	Sherman O. Smith	Res: 523-8838
Cabell	Edward M. Sams	
Calhoun	Thomas R. Fox	Res: 354-7686
Clay	Paige N. Willis	Res: 587-4387
Clay	James Wesley Vance	Res: 587-4321
Doddridge	Albert Jennings	
Fayette	Sgt. Albert Payne	Res: 658-5968
Fayette	Myles Weaver	
Logan	Sgt. Paul T. Craddock	Res: 369-1714
Logan	Carloess Duane Stowers	Res: 752-2498
McDowell	Thomas D. Tolley	
McDowell	David C. Hart	Res: 938-5670
Marion	Sgt. Rollie L. Eye	Res: 363-2522
Marion	James D. Fields	Res: 366-8702
Marshall	Williams C. Reeves	Res: 686-2672
Marshall	Sgt. Gary Straughan	
Mason	Clarence N. Worley	Res: 895-3911
Mason	Louis E. Della Mea	Res: 675-5183
Mercer	William E. Griffith, Jr.	Res: 425-3017
Mercer	Sgt. Williams H. Gilpin	Res: 325-7693
Mineral	Jack Nelson	
Mineral	Richard H. Davis, Jr.	Res: 788-2678
Mingo	Jerry L. McNeely	Res: 664-3863
Mingo	Stephan D. Stewart	Res: 475-2308
Monongalia	Gary Wade	Res: 278-7973

County	Name	Telephone Number
Monongalis	Woodrow D. Golleher	Res: 292-8811
Monroe	Gerald L. Croisier	Res: 772-5263
Monroe	Charles R. Loudin	Res: 772-5263
Morgan	Sgt. Gerald Loudin	
Morgan	Arthur Hadley	Res: 258-1450
Nicholas	Sgt. Garrett L. Gragg	Res: 846-6653
Nicholas	Reginald Denny Hall	
Nicholas	Richard Robertson	
Fayette	Harry E. Shaver III	
Gilmer	Sgt. Gerald Lee Bourne	Res: 462-7749
Gilmer	Steven Wayne Davis	Off: 462-8666
		Res: 462-7902
Grant	Stephen D. Rexrode	Res: 257-8374
Grant	Roger A. Wilkinson	Res: 257-8314
Greenbrier	Sgt. Frank B. Crigger	Res: 645-2042
Greenbrier	George P. Clarkson	Res: 645-2042
Greenbrier	Larry A. Vaughn	Res: 392-6377
Hampshire	Byron Chambers	
Hampshire	Roger L. Hefner	Res: 822-5335
		Off: 822-3551
Hancock	Carl L. Kirkland	Res: 564-3617
Hardy	Sgt. Ernest L. Sayres	Res: 874-3981
Hardy	Ben Gragg	Res: 538-6308
Harrison	Sgt. James Fazalare	Res: 592-3175
		Off: 623-3006
Harrison	Vernon F. Nosse	Res: 842-5324
Jackson	Sgt. Curtis Harris	Res: 273-4861
Jackson	George C. Armstrong	Res: 372-2279
Jefferson	David Walker	Res: 725-5473
Kanawha	Terry L. Dunn	Off: 348-4050
		Res: 548-6274
Kanawha	Williams B. Collins	Off: 348-4050
Kanawha	Ray A. Means	Off: 348-4050
Lewis	Emory E. Hypes	Res: 296-2951
Lincoln	Jerry Arthur Moore	Res: 824-3047
Ohio	Wayne S. Styers	Off: 547-1700
		Res: 242-8795
Pendleton	Sgt. Robert Leeson	Res: 358-2923
Pendleton	Stephen R. Haines	Res: 358-7340
Pendleton	Timothy Nicely	
Pleasants	William P. Steele	Res: 665-2794
Pocahontas	Stg. Kenneth L. Rainter	Res: 626-6047
Pocahontas	Richard Morris	Res: 799-4087
Pocahontas	Lawrence C. Guthrie	Res: 456-4644
Preston	Bill S. Sirk	Res: 789-2742
Preston	Lonnie G. Hamon	Res: 329-2230
Putnam	Sgt. Arnold Williams, Jr.	Res: 586-3243
Putnam	Larry Null	Res: 562-3232

County	Name	Telephone Numbers
Raleigh	Edwin G. Hall	Res: 877-6560
Raleigh	Dan C. Farley	Off: 252-8585
Randolph	William F. Armstrong	Off: 636-1767
		Res: 636-6656
Randolph	Michael B. Pizzino	Off: 636-1767
		Res: 335-2240
Ritchie	Harold C. Bennett	Res: 659-2238
Ritchie	Denzil Postlewait	
Roane	Dan L. McKenney	Res: 927-1275
Roane	Albert K. McKaughan	
Summers	Robert E. Nahodi	Res: 466-1887
Summers	Jack Ballard	Res: 466-4370
Taylor	Harold Cobb	Res: 265-4045
Tucker	Charles W. Haverty	Res: 259-5176
Tucker	Forrest E. Blume	Res: 478-3440
Tyler	R. O. Powers	Res: 758-4729
Tyler	Edward T. Wasmer	
Upshur	William A. Suter, Jr.	Off: 924-6211
		Res: 472-5047
Wayne	Sgt. Grady C. Coda	Res: 272-5729
Wayne	Joseph L. Ballard	Res: 486-5558
Webster	Bobby Dale Jones	
Webster	Boyd Cutright	
Wetzel	Kermit Ray Anderson	Res: 455-5425
Wirt	Carl D. Wilson	Res: 275-8720
Wood	Larry Davis	Res: 422-5212
Wood	Kenneth D. Merritt	Off: 485-5426
Wyoming	Johnny L. Baker	
Wyoming	Steve L. Cox	Res: 294-5432

3. Division of Wildlife Resources

In certain spill incidents involving wildlife, personnel from this division will become involved. This division has Fish and Game Biologists located in each of the six districts. The headquarters staff at Charleston is as follows:

Dan E. Cantner Division Chief	Off: 348-6303 Res: 925-6131
James M. Ruckel Asst. Chief, Game Management	Off: 348-2771 Res: 776-2785
David W. Robinson Asst. Chief, Fish Management	Off: 348-2771 Res: 727-8365

The following is a listing of District Fish and Game Biologists:

District I - Fairmont, WV

James E. Evans	Off:	366-5880
Dist. Game Biologist	Res:	825-6561
Frank Jernejcic	Off:	366-5880
Dist. Fish Biologist	Res:	449-1044

District II - Romney, WV

Gary D. Strawn	Off:	822-3551
Dist. Game Biologist	Res:	822-5796
Gerald E. Lewis	Off:	822-3551
Dist. Fish Biologist	Res:	298-3365

District III - Buckhannon, WV

R. T. Butterfield	Off:	924-6211
Dist. Game Biologist	Res:	472-2329
Bert Pierce	Off:	924-6211
Dist. Fish Biologist	Res:	472-3266

District IV - Beckley, WV

David D. Gilpin	Off:	252-8585
Dist. Game Biologist	Res:	253-7677
James E. Reed, Jr.	Off:	252-8585
Dist. Fish Biologist	Res:	252-0593

District V - Pt. Pleasant, WV

Paul Matthews	Off:	675-4380
Dist. Game Biologist	Res:	675-2076
Steve Muth	Off:	675-4380
Dist. Fish Biologist	Res:	675-5462

District VI - Parkersburg, WV

Duane Pursley	Off:	485-5426
Dist. Game Biologist	Res:	485-6714
Bernard Dowler	Off:	485-5426
Dist. Fish Biologist	Res:	863-6510

B. Department of Health

When spill incidents involve water supplies or other matters relating to environmental health, contact should be made with the following:

Robert G. McCall	Off:	348-2970
Dir., Environmental Health Svcs.	Res:	343-3307
Glen Fortney	Off:	348-2981
Chief, Engineering Section	Res:	925-1418

C. West Virginia State Police Detachments

Location	Telephone	Location	Telephone
Ansted	658-5101	Oak Hill	469-3101
Beckley	253-8311	Paden City	337-2233
Berkeley Springs	258-2101	Parkersburg	485-7422
Blue Creek	965-3421	Parsons	478-3101
Buckhannon	472-1101	Petersburg	257-9321
Charles Town	725-2416	Philippi	457-1101
Chelyan	949-3136	Pineville	732-7101
Clarksburg	624-6101	Point Pleasant	675-1101
Clay	587-2201	Princeton	425-2101
Cross Lanes	776-2211	Rainelle	438-8911
Elizabeth	275-8961	Richwood	846-6510
Elkins	636-3101	Ripley	372-2101
Fairmont	363-1101	Romney	822-3462
Franklin	358-2200	Shinnston	592-1101
Glenville	462-7101	South Charleston	348-6370
Grafton	265-1101	Spencer	927-1101
Grantsville	354-6334	St. Marys	684-7101
Hamlin	824-3101	Summersville	872-2151
Harrisville	643-2101	Sutton	364-5252
Hinton	466-1555	Union	772-3015
Huntington	529-6221	Wayne	272-5131
Keyser	788-1101	Webster Springs	847-2101
Kingwood	329-1101	Wellsburg	737-3671
Lewisburg	645-1001	Weirton	723-3080
Logan	752-8101	Welch	436-2101
Madison	369-3101	Weston	269-1101
Marlinton	799-4101	West Union	873-2101
Martinsburg	267-8901	Wheeling	242-2252
Montgomery	442-2101	Whitesville	854-0101
Moorefield	538-2925	Williamson	235-2414
Morgantown	599-1101	Winfield	755-4641
Moundsville	845-3263	Turnpike Div.	925-2176

D. Department of Highways

1. District Personnel

District Engineer	Asst. District Engineer, Maint.
L. S. Smith Charleston 348-3001	Marlin G. Davis Charleston 348-3005
Floyd B. Hillman Huntington 523-8476	Smokey Ball Huntington 523-8476
Warren S. Frank Parkersburg 485-6571	Richard Wigal Parkersburg 485-6571
James E. Dorsey Clarksburg 623-3791	J. V. Onestinghel Clarksburg 623-3791
Jimmy Calhoun Keyser 788-3411	Gary Mower Keyser 788-3411
Patrick Ervin Weston 296-2234 (Ext. 35,36)	Randall Biller Weston 296-2234 (Ext. 35,36)
Robert S. Collett Elkins 636-1624	Julian W. Ware Elkins 636-1624
Bill S. Hanshew, Jr. Lewisburg 645-1301	Robert C. Ware Lewisburg 645-1301
Harry Schulte, Jr. Princeton 425-2155	Wm. K. Forrest Princeton 425-2155

2. County Maintenance Superintendents

County	Headquarters	Superintendent	Telephone
Barbour	Philippi	Charles S. Wentz Rangoon, WV	Bus: 457-1597 Res: 457-2314
Berkeley	Martinsburg	Bruce DeHaven Route 2 Hedgeville, WV	Bus: 263-9631 Res: 229-8108
Boone	Madison	Vernon Harless Whitesville, WV	Bus: 369-1621 Res: 854-1362
Braxton	Gassaway	William A. Tucker	Bus: 364-5238
Brooke	Wellsburg	John Cluchiak, Jr. Box 656 Short Creek, WV	Bus: 734-4441 Res: 394-5718
Cabell	Barboursville	Keith Dunkle Route 2 Barboursville, WV	Bus: 736-3111 Res: 736-3163
Calhoun	Millstone	James R. Jones Big Bend, WV	Bus: 354-6221 Res: 354-6898
Clay	Clay	G. D. Schonover Clay, WV	Bus: 587-4241 Res: 587-4685
Doddridge	West Union	Frank McGill Route 1, Box 88 Greenwood, WV	Bus: 873-2771 Res: 873-1130
Fayette	Oak Hill	James Abshur Ansted, WV	Bus: 469-4341 Res: 658-4764
Gilmer	Glenville	Doy D. Butcher Cox's Mill, WV	Bus: 462-7325 Res: 658-8628
Grant	Petersburg	Cecil Sites Maysville, WV	Bus: 257-7171 Res: 749-2915
Greenbrier	Lewisburg	Paul Hollandsworth Alvon, WV	Bus: 645-1565 Res: 536-1048
Hampshire	Romney	Cecil Weatherholtz	Bus: 822-3567
Hancock	N. Cumberland	Lawrence Ryan	Bus: 564-3561
Hardy	Moorefield	Eugene Brand	Bus: 538-6402

County	Headquarters	Superintendent	Telephone
Harrison	Clarksburg	Paul Thompson 1313 West Pike St. Clarksburg, WV	Bus: 622-4511 Res: 897-5931
Jackson	Ripley	Ed Hudson	Bus: 372-6221
Jefferson	Charles Town	Dean Hockensmith Shenadoah Junction WV	Bus: 725-5821 Res: 725-2908
Kanawha	Charleston	William Moore 517 Hillside Drive Charleston, WV	Bus: 348-3046 Res: 342-2215
Lewis	Weston	Wm. H. Ellis, Sr.	Bus: 269-4899
Lincoln	West Hamlin	Druey Miller	Bus: 824-3434
Logan	Logan	Hobart Adkins	Bus: 752-2700
McDowell	Welch	Herman L. Roberts	Bus: 436-3625
Marion	Fairmont	John Teter	Bus: 366-2430
Marshall	Moundsville	Page Callagher	Bus: 845-4041
Mason	Pt. Pleasant	Virgil Burris	Bus: 657-1290
Mercer	Princeton	Forest Rumburg Route 3, Box 332 Princeton, WV	Bus: 425-2782 Res: 425-6562
Mineral	Keyser	Baken Lyons Star Route 2, Box 90	Bus: 788-1221 Res: 788-0839
Mingo	Williamson	Tom Marcum	Bus: 235-2333
Monongalia	Morgantown	John Chittum 605- Callen Ave. Morgantown, WV	Bus: 292-9414
Monroe	Union	Bennie Commer	Bus: 772-2451
Morgan	Berkeley Springs	Marshall Michael	Bus: 258-2578 Res: 258-1483
Nicholas	Summersville	E. Keith Smithson Richwood, WV	Bus: 872-1851 Res: 846-6183

County	Headquarters	Superintendent	Telephone
Ohio	Elm Grove	Richard Kaiser 37 Duquesne Ave.	Bus: 242-0120 Res: 242-4406
Pendleton	Franklin	Lon J. Simmons Franklin, WV	Bus: 358-2215 Res: 358-2618
Pleasants	Belmont	Friend Fleming	Bus: 684-3930
Pocahontas	Marlinton	H. Whitt Lowe Huntersville, WV	Bus: 799-6433 Res: 799-4051
Preston	Kingwood	George Schmidle Box 54, Rt. 3 Terra Alta, WV	Bus: 329-0192 Res: 349-0444
Putnam	Red House	G. R. Brewer Poca, WV	Bus: 586-2381 Res: 755-4646
Raleigh	Beckley	Howard J. Spears	Bus: 253-6180
Randolph	Elkins	J. W. Teter Route 1, Box 52 Mill Creek, WV	Bus: 636-0565 Res: 335-2463
Ritchie	Harrisville	Ralph McClead	Bus: 643-2202
Roane	Spencer	William Hildreth	Bus: 927-2910
Summers	Hinton	Oakley Grimmett 623 Temple Hinton, WV	Bus: 466-0106 Res: 466-1223
Taylor	Grafton	Arthur Wilson Knottsville, WV	Bus: 265-2110 Res: 265-3121
Tucker	Parsons	Cecil Ford Hunbleton, WV	Bus: 478-2304 Res: 478-3672
Tyler	Sistersville	Sherman Buckhannon	Bus: 652-5821
Upshur	Buckhannon	James E. Anglin Route 2 Buckhannon, WV	Bus: 472-2294
Wayne	Wayne	Hobert Akers	Bus: 272-5127
Webster	Webster Springs	Howard S. Groves Route 2 Webster Springs, WV	Bus: 847-2114

County	Headquarters	Superintendent	Telephone
Wetzel	N. Martinsville	Barl Shuman	Bus: 455-1431
Wirt	Elizabeth	Raymond F. Morgan	Bus: 275-4211 Res: 275-3888
Wood	Parkersburg	E. Dale Lamm	Bus: 428-5592
Wyoming	Pineville	Frank Tilley Clear Fork, WV	Bus: 732-7031

III Sources of Clean-up Contractors, Equipment and Supplies

A. Clean-up Contractors---See Regional Plan---these companies can work anywhere in the region.

B. Hay and Straw

Contract the nearest Southern States Cooperative or Farmer Cooperative, found under FEED DEALERS in the yellow pages. These stores will either have hay or straw or can tell you where you might locate some.

Southern States Beckley Cooperative
Valley Dr.
Beckley, WV
Tel: 253-3152

Southern States Princeton Cooperative
1st. St.
Princeton, WV
Tel: 425-3177

Southern States Charleston Cooperative, Inc.
1716 7th Avenue
Charleston
Tel: 346-3226

Southern States Clarksburg Cooperative
114 O'Day's Pl
Clarksburg
Tel: 624-5668

Southern States Elkins Cooperative
Railroad Ave.
Elkins
Tel: 636-4144

Southern States Cooperative, Inc.
1329 7th Ave.
Huntington
Tel: 525-8685

Southern States Martinsburg Cooperative
412 W. Race
Martinsburg, WV
Tel: 263-9521

Southern States Morgantown Cooperative
Sabraton
Morgantown
Tel: 296-4441

C. Equipment and Tools

Capitol City Septic Tank Svc. 2346 1/2 Pennsylvania Avenue Charleston, WV Tel: 342-4028 (24 hours)	Vacuum Trucks
AAA-B Septic Tank Svc. Winfield Road St. Albans, WV Tel: 786-4626 or 755-2400	Vacuum Trucks
A - Allstate Septic Tank Service Charleston, WV Tel: 346-7131 (24 hours) 727-2411 (24 hours)	Vacuum Trucks
Taylor Rental Company J.L. Baldwin, President 201 Virginia St., W. Charleston, WV Tel: 343-4541 (Off.) 342-3597 (Res.)	Dump Trucks, Compressors, pumps, generators, lights, power saws, small tools.
Ace Equipment Rentals Co. P. O. Box 8097 S. Charleston, WV Tel: 768-8826	Cranes, backhoes, dozers, trucks, compressors, pumps, generators, lights, tools.
Homelite Contractors Equipment DeHart's Auto Svc. 106 S. 5th St. Princeton, WV Tel: 425-3063	Pumps, generators, chain saws, lights, etc.
United Rent All 1302 Virginia Avenue Bluefield, Va. Tel: 703-326-1417	Tools

Monty Brothers Construction Co. Rt. 52 N. Bluefield, WV Tel: 304-325-3797	Contractors equipment rental
Rish Equipment Company Airport Road Bluefield, WV Tel: 304-325-6126 322-4078 (after hours)	Construction equipment pumps, compressors, etc.
Alert Sanitation Service P. O. Box 214 Clarksburg, WV Tel: 622-0242 or 622-3044	Vacuum Trucks
Mountaineer Septic Service Clarksburg, WV Tel: 745-3979 or 622-3044	Vacuum Trucks
Rish Equipment Company Mr. Roy E. Smith P. O. Box 2117 East on U.S. Rt. 50 Clarksburg, WV Tel: 842-3511 (Off.) 842-3850 (Res.)	Backhoes, dozers, compressors, pumps, generators
West Virginia Tractor & Equipment Company Mr. William B. Patton, Mgr. P. O. Box 587 Milford St. Ext. Clarksburg, WV Tel: 624-7511 (Off.) 622-4101 (Res.)	Cranes, backhoes, dozers, trucks, compressors, pumps, generators, lights, power saws, tools.
Marks Construction Company 702 Pennsylvania Avenue Bridgeport, WV Tel: 622-9612 (Off.) 842-2729 (Joe Beto Res.) 842-4877 (Jim Marks Res.)	Cranes, backhoes, dozers, trucks, compressors, pumps, generators, lights, power saws, tools.

Sanitary Septic Tank Svc. Route 33 Elkins, WV Tel: 636-1138 or 636-2773	Vacuum Truck
J. M. Scott Company Contracting and Excavating Box 562 Elkins, WV Tel: 636-0033	Backhoes, dozer, trucks, pumps, tools
Kermit Butcher, Contractor P. O. Box 213 Elkins, WV Tel: 636-2702 227-4137 (after 5 p.m.)	Cranes, backhoes, dozers, trucks, compressors, pumps, power saws
W. J. Clark Septic Tank Svc. 6952 Mud River Road Barboursville, WV Tel: 736-3249	Vacuum Trucks
Childers Septic Tank Svc. Mud River Road Barboursville, WV Tel: 736-6134	Vacuum Trucks
H and S Rent All, Inc. Mr. Dennis Shobe 1529 - 4th Avenue Huntington, WV Tel: 522-0308 (Off.) 523-5172 (Res.)	Cranes, backhoes, dozers, trucks, compressors, pumps, generators, lights, power saws, tools
C.J. Hughes Construction Co.,Inc. 731 3rd Avenue, W (P.O. Box 303) Huntington, WV Tel: 522-3868 525-6501 (614) 894-5368 (R. Hughes) (614) 867-5016 (E. Randolph)	Cranes, backhoes, dozers, trucks, compressors, pumps, generators, power saws, tools
A to Z Rental Carl Linkous 826-7th Avenue Huntington, WV Tel: 529-6253 (Off.) 522-9097 (Res.)	Compressors, pumps, generators, power saws, tools

Morgantown Septic Tank Svc. P. O. Box 352 Granville, WV Tel: 599-5340 (24 hours)	Vacuum Trucks
Town & Country Septic Tank Cleaning of Morgantown 235 Darst Morgantown, WV Tel: 292-8388	Vacuum Trucks
Mountaineer Contractors, Inc. Glenn D. Liston P. O. Box 1137 (Tyrone Road) Morgantown, WV Tel: 292-3371	Backhoes, dozers, trucks, compressors, pumps, power saws, tools
A C and T Company, Inc. Septic Tank Service Halfway Blvd. and Hopewell Road Hagerstown, Md. Tel: 301-582-2700	Vacuum Trucks
Barret Tank Cleaning Septic Tank Service Hedgesville, WV Tel: 304-754-3307	Vacuum Trucks
Mullin Excavating, Plumbing & Welding, Inc. 511 Rock Cliff Dr. Martinsburg, WV Tel: 304-267-7381	Cranes, dozers, backhoes, compressors, trucks, etc.
United Wreckers & Excavators, Inc. 306 N. Maple Avenue Martinsburg, WV Tel: 304-263-5643	Cranes, dozers, backhoes, compressors, trucks, etc.
Barret Fuel Company E. Moler Avenue Ext. Martinsburg, WV Tel: 304-263-9235	Backhoes, loaders, trucks, etc.
Commercial Builders Inc. of WV P. O. Box 40 Morgantown, WV Tel: 599-2139 292-5785 (W. Hemmann) 599-3720 (E. Atkins)	Backhoes, dozers, trucks, compressors, pumps

K. Culp & Son, Inc. K. K. Culp, Jr. P. O. Box 567 Dellslow, WV Tel: 292-2034	Backhoes, dozers, trucks, power saws
Ted J. Straub, Inc. 251 Beechurst Avenue Morgantown, WV Tel: 292-8414 (Off.) 599-4450 (Res.)	Compressors, pumps, generators, power saws, tools
A-1 Septic Tank Cleaners Little Grave Creek Wheeling, WV Tel: 232-1901 (24 hours)	Vacuum Trucks
A to Z Septic Tank Svc. Incline Avenue Wheeling, WV Tel: 233-2069 or 232-7419	Vacuum Trucks
Savage Construction Company Peters Run Road Wheeling, WV Tel: 242-3100 242-0762 (C.J. Savage) 242-3995 (P.J. Baker)	Cranes, backhoes, dozers, trucks, compressors, pumps, generators, lights, power saws, tools
Power City Plumbing & Heating Co. Benny Battistelli, President 2737 Chapline Street Wheeling, WV Tel: 232-2770	Cranes, backhoes, dozers, trucks, compressors, pumps, power saws, tools
Ford Brothers, Inc. Riverview Marietta, Ohio Tel: 614-373-6805	Vacuum Trucks
Fred C. Flinn RFD. 2 Parkersburg, WV Tel: 422-8151	Vacuum Trucks

Grants Rental & Sales Company J. W. Johnston 2910 Dudley Avenue Parkersburg, WV Tel: 422-4518 (off.)	Compressors, pumps, generator, power saws, tools
C.J. Huber, General Contractor P. O. Box 4206 Parkersburg, WV Tel: 422-7696	Cranes, backhoes, dozers, trucks, compressors, pumps, power saws, tools
Rish Equipment Company 807 Grand Central Avenue Vienna, WV Tel: 422-8441 (614) 423-8627 (R. Baker) (614) 373-2709 (J. Stafford)	
Crown Equipment & Construction Co. Mr. E. C. Glassner Parkersburg, WV Tel: (614) 423-6321 (304) 422-0736 (Res.)	Backhoes, trucks, compressors, pumps
Bob's Sanitary Service Sophia, WV Tel: 683-5790	Vacuum Trucks
Raleigh Co. Septic Tank Svc. Box 99c Beckley, WV Tel: 253-5144	Vacuum Trucks
Oscar Vecellio, Inc. General Contractors 104 Whitestick Road Beckley, WV Tel: 253-6387 253-3788 (after hours)	Trucks, dozers, compressors, etc.
Walker Machinery Company 1149 Valley Dr. N. Beckley, WV Tel: 253-2706	Cranes, shovels, backhoes, compressors, etc.
B & B Excavating Co., Inc. 905 Eisenhower Dr. Beckley, WV Tel: 252-1212	Excavating and trucking rental

Thomas Septic Tank Svc. P. O. Box 1174 Princeton, WV Tel: 425-0202 (24 hours)	Vacuum Trucks
Whittaker Septic Tank Svc. Rt. 4, Box 22 Princeton, WV Tel: 425-5329 or 425-5532	Vacuum Trucks

D. Charter Aircraft

Name of Company	Airport
Raleigh Company Flight Inc. Route 9 Beaver, WV Tel: 252-4500 253-8600 (24 hours)	Raleigh Company, Memorial Airport
Appalachian Flying Service 323 Ransey Street Bluefield, WV 24701 Tel: 325-3669	Mercer Company Airport
Upshur Flying Service, Inc. P. O. Box 729 Buckhannon, WV Tel: 472-6732	Lewis Field
Eagle Aviation, Inc. Kanawha Airport Charleston, WV 25311 Tel: 346-0707 (24 hours)	Kanawha Company Airport
General Aviation Service, Inc. Kanawha Airport Charleston, WV 25311 Tel: 343-8818 (24 hours)	Kanawha Company Airport
Vicellio & Grogan Contractors P. O. Box 8593 So. Charleston, WV 25303 Tel: 744-9419 Helicopters	Private Heliport 3 min. from airport
Aeromech, Inc. P. O. Box 2550 Clarksburg, WV 26301 Tel: 842-5403 or 842-5404	Benedum Airport

Nicholson Air Services, Inc. P. O. Box 1211 Cumberland, Md. 21502 Tel: 304-738-8640	Cumberland Municipal
Tri-State Aviation, Inc. Tri-State Airport Ceredo, WV 25507 Tel: 453-1377	Tri-State
Huntington Airmotive Tri-State Airport Ceredo, WV 25507 Tel: 453-2372	Tri-State
Huntington Airport, Inc. Tri-State Airport Ceredo, WV 25507 Tel: 453-3511	Tri-State
Charles Brown Flying Service, Inc. Rt. 6, Box 1A Morgantown, WV 26505 Tel: 296-3633	Morgantown Municipal Airport
Rambar Aviation, Inc. P. O. Box 4307 Parkersburg, WV 26101 Tel: 485-5475	Wood Co. Airport
Mountain Air, Inc. P. O. Box 246 Williamstown, WV 26187 Tel: 485-6569	Wood Co. Airport
Greenbrier Airlines P. O. Box G White Sulphur Springs, WV 24986 Tel: 536-1234	Greenbrier Airport
Flight, Inc. Wheeling-Ohio Co. Airport Wheeling, WV 26003 Tel: 277-1600 or 242-1740	Wheeling-Ohio Co.

E. Airports having Ground Transportation

Hertz	Avis
Raleigh Co. Mem. Airport 304-252-2385 0600-2400 7 days	
Merxer Co. Airport 304-325-3388 0830 - 2130 7 days	
Kanawha Co. Airport 304-346-4134 0700 - 2300 Sun. - Fri. 0700 - 2230 Sat.	304-343-9946 0800 - 2230 Sun. - Fri. 0800 - 1700 Sat.
Benedum Airport 304-622-8282 24 hrs. - 7 days	304-842-3932 0800 - 2130 Mon. - Fri. 1630 - 2130 Sun.
Elkins Airport 304-636-4436 0800 - 1700 7 days	
Huntington - Tri-State Airport 304-453-2745 0800 - 2300 Mon. - Fri. 0800 - 2000 Sat. 1000 - 2300 Sun.	304-453-1865 0730 - 2230 Mon. - Fri. 0730 - 1530 Sat. 1200 - 2230 Sun.
Martinsburg - Martinsburg Airport 304-263-3314 0600 - 2200 7 days	
White Sulphur Springs - Greenbrier Airport	304-536-1904 0900 - 1700 Mon. - Sat.
Cumberland - Cumberland Municipal Airport 301-724-9863 0800 - 2000 Mon. - Sat.	304-738-7080 0600 - 2400 daily

IV. WASTE DISPOSAL SITES

A. State Approved Solid Waste Disposal Sites.

The following is a listing of solid waste disposal sites approved by the West Virginia State Health Department:

Berkeley County Court
1 mile SE of Martinsburg on WV 9/14
& Opequin Creek

Capitol Fuels, Inc.
Little Hewitt Creek near Julian,
Boone Co.

Smith Lumber Company
WV 18 - 1 mile S. West Union
Sec 13 - 1/2 mile

White Sulphur Springs
Opposite Airport

Robert Caputo
Quiet Dell, 1.5 mile on 20/17
off 20/19

S&S Landfill
About 1 mi. N. West Milford off US 19
on Sycamore Creek

Elk Valley Sanitation Service
(Sam Burdette) Mink Shoals Hill

Union Carbide, Institute
Sattes (Nitro)

Union Carbide, S. Charleston
Ward Hollow, S. Charleston

City of Charleston
Mission Hollow

Concrete Supply Corporation (St. Albans)
Ar. Albans Landfill off Winfield Road

Sparks
Mt. Nebo - near Tabernacle

Jarvis, Downing & Enoch, Inc.
Harold Kerchen Farm, Clinton

Okey Meredity & Sons
East of Valley Grove

City of Wheeling
1 1/2 mile N of US 40 at inters.
of Mt. Wood Road

City of Kingwood
NW of city limits off Route 52/6

Raleigh County Court SWRHC
At 5 mile N of Court House at
Stanaford on Routes 19 and 41

Kanawha East RDA
2.3 mile A Awx 79 deom Route 61
.8 mile on 79/2

Kanawha West RDA
1.65 SEE of Cross Lanes on WV 62W
.75 miles

Slacks
Mill Creek Road Sec 48

St. Albans
by St. Marks Episcopal Church

Holmes and Madden
Union Fork of Wolf Run Branch

Snodgrass
Craigs Branch Route 24

Weston Transfer Inc.
Mudlick Run of Stonecoal Creek S
500 yds on 119/17

City of Fairmont
Near Eldora 1 1/2 mile SW of US 250
on Route 73

City of Moundsville
Big Grove Creek

City of Point Pleasant
Kroddel Park near Routes 2 & 62

Mercer County SWRHC
5.5 mile SSW of Princeton on
US 19/21/460

Victor Solomon
Brant District, near Route 19 at
Laurel Pt.

Baltimore & Ohio RR
Hansrote, 4.8 mile S of Orleans Road

Bright of America
Summersville rear of plant

City of Elkins
Head of Laurel Run of Roaring Creek

Huttonsville Correctional Center
1.6 mile east of Huttonsville

City of Grafton
Arony Doek Road

Black Water Falls State Park
2 miles from Davis

Paden City
City Park South of Main St. across
RR tracks

Northwestern Disposal Company, Inc.
Parkersburg, Eder Street

Wood County Landfill
Route 2 1.2 mile S inters. DuPont Road

L & M Company
3.5 miles S of Short Gap on Route 9

John C. Langford
Lynch Run 5 miles E of Glenville
on Route 5

V. CRITICAL WATER USE AREAS

A. Potable Water Intakes

Stream	County	Location
Big Coal River	Boone	At Racine
Big Coal River	Boone	At Whitesville
Big Sandy River	Wayne	At Kenova
Buckhannon River	Upshur	At Buchhannon
Cheat River	Preston	At Rowlesburg
Cheat River	Preston	At Kingwood

Cheat Lake (Lake Lynn)	Monongalia	E. of Morgantown
Cherry River	Nicholas	At Richwood
Coal River	Kanawha	At St. Albans
Coal River	Lincoln	At Alum Creek
Coal River	Raleigh	At Montcoal
Davison Run Impoundments	Harrison	At Bridgeport
Deckers Creek	Preston	At Reedsville
Devils Run	Tucker	At Davis
Dog Run Reservoir	Harrison	At Salen
Dunkard Creek	Monongalia	At Blacksville
Elk River	Braxton	At Sutton
Elk River	Braxton	At Gassaway
Elk River	Clay	At Clay
Elk River	Kanawha	At Finch
Elk River	Kanawha	At Clendenin
Elk River	Kanawha	At Charleston
Elk River	Webster	At Webster Springs
Elk Run	Jefferson	At Harpers Ferry
Elklick Run	Tucker	At Hambleton
Elsey Creek	Preston	Near Kingwood
Evitts Run	Jefferson	At Charles Town
Fishing Cr., North Fork	Wetzel	At Pine Grove
Gauley River	Nicholas	Near Craigsville
Gauley River	Nicholas	At Summersville Dam
Gauley River	Webster	East of Cowen
Glade Creek Reservoir	Raleigh	S.E. of Beckley
Greenbrier River	Greenbrier	At Ronceverte
Greenbrier River	Greenbrier	At Lewisburg
Greenbrier River	Monroe	At Alderson
Greenbrier River	Pocahontas	At Denmar
Greenbrier River	Summers	At Hinton
Greenbrier R., East Fork	Pocahontas	At Frank

Guano Creek	Putnam	At Bancroft
Gum Hollow	Fayette	At Kinberly
Guyandotte River	Lincoln	At West Hamlin
Guyandotte River	Logan	At Man
Guyandotte River	Logan	At Dabney
Guyandotte River	Logan	At Logan
Guyandotte River	Logan	At Barling
Guyandotte River	Mingo	At Gilbert
Hackers Creek	Lewis	At Jane Lew
Hughes R., North Fork	Ritchie	E. of Pennsboro
Hughes R., North Fork	Ritchie	At Cairo
Hughes R., North Fork	Ritchie	At Harrisville
Kanawha River	Fayette	At Montgomery
Kanawha River	Fayette	Below Gauley Bridge
Kanawha River	Fayette	At Deep Water
Kanawha River	Fayette	At Kinberly
Kanawha River	Kanawha	At Pratt
Kanawha River	Kanawha	At Cedar Grove
Kanawha River	Kanawha	At Chelyan
Kanawha River	Kanawha	At Belle
Kanawha River	Putnam	At Winfield
Kettle Run	Fayette	At Quinnimont
Knapp Creek	Pocahontas	At Marlinton
Laurel Fork Creek	Wyoming	At Oceana
Lee Branch	Fayette	At Boonesborough
Little Kanawha River	Braxton	At Burnsville
Little Kanawha River	Calhoun	At Grantsville
Little Kanawha River	Gilmer	At Glenville
Middle Island Creek	Doddridge	At West Union
Middle Island Creek	Tyler	At Middlebourne
Mill Creek	Fayette	At Ansted
Mill Creek	Fayette	At Lansing
Mill Creek	Jackson	At Ripley
Mill Creek	Jackson	At FFA-FHA Camp
Mill Creek	Logan	At Monaville
Mill Creek	Randolph	At Mill Creek

Mud River	Cabell	At Milton
Monongahela River	Monongalia	At Morgantown
New Creek	Mineral	At Keyser
Ohio River	Cabell	At Huntington
Ohio Rover	Ohio	At Wheeling
Ohio River	Tyler	At Sistersville
Pinnacle Creek	Wyoming	At Pineville
Pocatalico River	Kanawha	At Sissonville
Pond Fork	Boone	At Madison
Potomac River	Jefferson	At Shepherdstown
Potomac R., South Branch	Grant	At Petersburg
Potomac R., South Branch	Hampshire	At Romney
Potomac R., South Branch	Hardy	At Moorefield
Roaring Creek	Tucker	At Humbleton
Savage River	Mineral	At Piedmont
Shavers Fork of Cheat River	Tucker	At Parsons
Tug Fork of Big Sandy River	Mingo	At Williamson
Tug Fork of Big Sandy River	Mingo	At Matewan
Tug Fork of Big Sandy River	Mingo	At Kermit
Tug Fork of Big Sandy River	Wayne	At Fort Gay
Twelvepole Creek	Wayne	At Wayne
Tygart Valley River	Barbour	At Belington
Tygart Valley River	Barbour	At Philippi
Tygart Valley River	Marion	At Kingmont
Tygart Valley River	Randolph	At Elkins
Tygart Valley River	Randolph	At Dailey
Tygart Valley River	Randolph	At Beverly
Tygart Valley River	Taylor	At Grafton
Weimers Run	Tucker	At Davis
West Fork River	Harrison	At West Milford
West Fork River	Harrison	At Clarksburg
West Fork River	Lewis	At Weston
West Fork River	Lewis	Jacksons Mill 4-H Camp
Wolf Creek	Fayette	At Fayettesville

B. Recreational Areas

Stream	County	Park/Forest/Lake
Blackwater River	Tucker	Blackwater Falls State Park
Blackwater River	Tucker	Canaan Valley State Park
Bluestone River	Summers	Bluestone State Park & Lake
Bluestone River	Summers/Mercer	Pipestem State Park
Cedar Creek	Gilmer	Cedar Cr. State Park
Cheat River	Monongalia/Preston	Coopers Rock State Forest
Cheat River	Monongalia	Cheat Lake
Elk River	Braxton	Sutton Lake
Gauley River	Nicholas	Summersville Lake
Greenbrier River	Pocahontas	Seneca State Forest
Greenbrier River	Greenbrier	Calvin W. Price State Forest
Greenbrier River	Pocahontas	Watoga State Park
Holly River	Braxton	Summersville Lake
Hughes River, N. Fk.	Ritchie	North Bend State Park
Middle Fork River	Barbour	Audra
New River	Summers	Bluestone State Park & Lake
Potomac River	Jefferson	Harper's Ferry National Historic Park
Shenandoah River	Jefferson	Harper's Ferry National Historic Park
Tygart Valley River	Taylor	Tygart Lake
Tygart Valley River	Marion/Taylor	Valley Falls State Park
Twelvepole Cr., W. Fk.	Wayne	Cabwaylingo State Forest
West Fork River	Lewis	Jackson's Mill State 4-H Camp

C. Designated Trout Waters

Stream	County
Abes Run	Pocahontas
Anglins Creek	Nicholas
Anthony Creek	Greenbrier
Back Fork, Elk River	Webster
Beaver Creek	Pocahontas
Big Bullskin Run	Jefferson
Big Clear Creek	Greenbrier
Big Huff Creek	Logan, Wyoming
Big Run	Pendleton
Big Run	Randolph
Big Sandy Creek	Preston
Blackwater River	Tucker
Blaney Hollow & Morgan Run	Monongalia
Brushy Fork	Barbour
Buckhannon River	Upshur
Buffalo Creek	Preston
Camp Branch	Hardy
Camp Creek	Mercer
Camp Five Run	Randolph
Cattail Run	Jefferson
Cherry River	Nicholas
Clear Fork	McDowell
Clover Run	Tucker
Cold Stream	Hampshire
Cranberry River	Pocahontas, Wesbster, Nicholas
Cross Creek	Brooke
Culverson Creek	Greenbrier
Deer Creek	Nicholas
Deer Creek	Pocahontas
Desert Fork	Webster
Dillons Run	Hampshire
Dry Fork	McDowell
Dry Fork	Randolph, Tucker
Dumpling Run	Hardy
East Fork, Glady Fork	Randolph
East Frok, Greenbrier River	Pocahontas
East River, New River	Mercer
Edwards Run & Pond	Hampshire
Elklick Run	Tucker

Elk River, Slaty Fork	Pocahontas
Elk River (Webster Springs)	Webster
Elk River (Whit. F)	Webster, Randolph
Elkwater Fork	Randolph
Elsey Run	Preston
Evitts Run	Jefferson
Five Mile Run	Pocahontas
Flowing Springs Run	Jefferson
Fall Run	Webster
Gandy Creek	Randolph
Gauley River (Head)	Randolph, Webster
Glade Creek (Bobcock)	Fayette
Glade Creek, New River	Raleigh
Glady Fork	Randolph
Grave Creek	Marshall
Harlan Run	Berkeley
Hills Creek	Pocahontas
Horseshoe Run	Tucker
Kings Creek	Hancock
Knapps Creek	Pocahontas
Laurel Creek	Fayette
Laurel Creek	Greenbrier, Nicholas
Laurel Creek	Monroe
Laurel Fork	Pendleton
Laurel Fork	Randolph
Laurel Fork	Webster
Laurel Run	Greenbrier
Laurel Run	Pocahontas
Laurel Run	Preston
Left Fork, Buckhannon River	Upshur
Left Fork, Holly River	Webster
Left & Right Forks, Buckhannon River	Randolph, Upshur
Left & Right Forks, Little Kanawha River	Upshur
Little Clear Creek & Laurel Run Trib.	Greenbrier
Little Fork	Pendleton
Little Kanawha River (Head)	Pocahontas
Little River (East Fork)	Pocahontas
Little River (West Fork)	Pocahontas
Long Marsh Run	Jefferson
Lost River	Hardy
Lower Cove Run	Hardy
Marsh Fork	Raleigh
Marsh Fork	Mercer

Maxwell Run	Tucker
Meadow Branch	Morgan
Meadow Creek	Greenbrier
Meadow Creek	Summers
Middle Creek	Berkeley
Middle Fork Rover	Barbour, Randolph, Upshur
Mill Creek (Grayson Gap)	Mineral
Mill Creek	Fayette
Mill Creek	Berkeley
Mill Creek	Hampshire
Milligan Creek	Greenbrier
Moores Run	Hardy
Mullenax Run	Pocahontas
New Creek	Mineral
North River	Hardy
North Fork, Anthony Creek	Greenbrier
North Fork, Cherry River	Greenbrier, Nicholas
North Fork, Deer Creek	Pocahontas
North Fork, Fishing Creek Dam	Wetzel
North Fork, Lunice Creek	Grant
North Fork, Patterson Creek	Grant
North Fork, South Branch	Pendleton, Grant
Opequon Creek	Berkeley, Jefferson
Paint Creek	Fayette
Panther Creek	McDowell
Paw Paw Creek	Marion
Pigeon Creek	Mercer
Pinch Creek	Raleigh
Pinnacle Creek	Wyoming
Red Creek	Tucker
Rich Creek	Monroe
Right Fork, Buckhannon River	Upshur, Randolph
Right Fork, Little Kanawha River	Webster, Upshur
Right Fork, Middle Fork River	Upshur
Roaring Creek	Preston
Rocky Marsh Run	Jefferson
Saltlick Creek	Preston
Seneca Creek	Pendleton
Shavers Fork	Randolph
Shavers Fork (Lower Section)	Randolph
Shavers Fork (Upper Section)	Randolph, Pocahontas
Sitlington Creek	Pocahontas
Slip Hill Mill Run	Tucker
South Branch (Franklin Section)	Pendleton
South Branch (Smoke Hole Section)	Pendleton

South Fork, Cherry River	Greenbrier, Nicholas
South Fork, Cranberry River	Pocahontas
South Fork, Fishing Creek	Wetzel
South Fork, Lunice Creek	Grant
South Fork, Potts Creek	Monroe
South Mill Creek	Grant
Spring Creek	Greenbrier
Spring Run	Grant
Spruce Laurel Fork	Boone
Stoney Creek	Pocahontas
Sugar Creek	Webster
Summersville Lake (Tailwaters)	Nicholas
Sutton Lake (Tailwaters)	Braxton
Swago Creek	Pocahontas
Tea Creek	Pocahontas
Three Spring Run	Randolph
Tilhance Creek	Berkeley
Tomlinson Run	Hancock
Town Run or 76 Stream	Jefferson
Trout Run	Hardy
Turkey Creek	Monroe
Tuscarora Creek	Berkeley
Tygart River (Head)	Randolph
Waites Run	Hardy
Wayne Dam (Twelvepole Creek)	Wayne
West Fork, Greenbrier River	Pocahontas
West Fork, Twelvepole Creek	Wayne
Wheeling Creek	Marshall, Ohio
Whiteday Creek	Marion, Monongalia
Wickwire Run	Taylor
Wickwire Creek	Taylor
Williams River	Pocahontas, Webster
Wolf Creek	Fayette
Wolf Creek	Preston
Wolfpen Creek	Fayette

Lakes and Ponds	County
Bear Rock	Ohio
Berwind	McDowell
Buffalo Fork	Pocahontas
Burches	Marshall
Cacapon	Morgan
Castleman Run	Brooke
Chief Logan	Logan
Conaway	Tyler
Coopers Rock	Monongalia

Dents Run	Marion
Edwards Run	Hampshire
Fitzpatrick	Raleigh
Fort Ashby	Mineral
French Creek	Upshur
Hawse Run	Pendleton
Horse Creek	Wyoming
Laurel	Mingo
Little Beaver	Raleigh
New Creek Dam 14	Grant
Seneca	Pocahontas
Spruce Knob	Randolph
Summersville Reservoir	Nicholas
Summit	Greenbrier
Sutton Reservoir	Braxton
Teter Creek	Barbour
Tomlinson Run	Hancock
Thomas Park	Tucker
Trout Rond	Hardy
Warden	Hardy
Westover Park	Monongalia

VIII. TECHNICAL AND SCIENTIFIC ADVISORY GROUPS

A. Ohio Valley Industrial Environmental Advisory Committee

Covers the Ohio River From Moundsville to Parkersburg.

Mr. Jim Myers, Chairman
Mobay Chemical Co.
New Martinsville, West Virginia
Tel: 304-455-4400

Mr. Ed Cooper, Vice-Chairman
Borg-Warner
Parkersburg, West Virginia
Tel: 304-422-5481

B. Industrial Advisory Committee (Kanawha Valley)

(See Section IX, B of this plan for listing of steering committee members)

C. HELP - Hazardous Emergency Leak Procedure

This service is for the use of carriers transporting Union Carbide products.

Telephone: 304-744-3487 (24 hours)

D. Pittsburgh Poison Center

For information particularly related to human toxicities.

Box 116
Pittsburgh, Pa. 15230
Tel: 412-681-6669

IX. MUTUAL AID GROUPS

A. Tri-State Pollution Prevention and Cleanup Committee (TPPCC)
Suite 714 Atlas Building
Charleston, WV 25301

Area TPPCC Chairmen:

Ashland Area:	Mike Duffy Ashland Oil, Inc. Tel: 606-329-4437
Charleston Area:	Bob Spath Exxon Company, USA Tel: 304-344-8361
Parkersburg Area:	R. E. Northvup Appalachian Power Co. Tel: 703-344-1411

Each TPPCC equipment trailer contains 500 ft. boom, sorbent, boat and necessary tools.

The Charleston area trailer is kept at the Marmet Lock and Dam. Tel: 949-1175.

The Huntington area trailer is kept at the Kenova substation, Appalachian Power, Chestnut Street, Kenova, West Virginia. If this trailer is needed, call: Tri-State Dispatch Center, Appalachian Power, Huntington, Tel: 522-0311.

The equipment trailer can be released for use in spill emergencies only upon the authorization of:

On-Scene-Coordinator
U.S. Environmental Protection Agency
303 Methodist Building
Wheeling, WV
Tel: 304-233-1271
304-232-6700 (after hours)

On-Scene Coordinator
U.S. Coast Guard
Post Office Box 2412
Huntington, WV 25725
Tel: 304-529-2311, Ext. 524
304-525-2861 (after hours)

B. Industrial Advisory Committee (Kahawha Valley)

Steering Committee: Mr. E. W. Sutton, Chairman
FMC
S. Charleston, WV
Tel: 744-1581

Mr. M. E. Hall
Union Carbide
Institute, WV
Tel: 747-6539

Mr. L. T. Snider
Dupont
Belle, WV
Tel: 949-4313

Mr. H. M. Galloway
Montsanto Company
Nitro, WV
Tel: 755-3341

Mr. R. E. Northrup
Appalachian Power
Roanoke, VA
Tel: 703-344-1411

C. River Terminal Operators Association

This is an association of oil terminal operators who will make oil recovery equipment available to other member operators in the event of a spill. Their area includes the three rivers (Allegheny, Monongahela, Ohio) from Morgantown, WV to New Martinsville, WV.

Chairman of the Board: Mr. John Lee
Tel: 412-378-5604 (Off.)
412-741-3279 (Res.)

X. CIVIL DEFENSE OFFICES AND OFFICES OF EMERGENCY SERVICES

State of West Virginia
Office of Emergency Services
806 Greenbrier Street
Charleston, WV 25311

Telephone: 348-5380

The following is a listing of local offices by county:

County	Director	Telephone*
Barbour OES	A. E. Baughman	Bus: 457-1391 Res: 457-1391 or 457-2120
Berkeley ES Council	Richard R. Lowman, Jr.	CD Off: 267-8712 Bus: 263-9641 Res: 263-3675
Fayette	Shirley Love	Co. Crt. 779-9261 (159/Allay) Bus: 469-3361 Bus: 253-9444 Res: 469-4425
	John Redman Deputy Director	Bus: 574-1176 Res: 574-1266
Gilmer	Jacob A. Minnich, Jr.	Bus: 269-2206 Bus: 462-7376 Res: 462-7376
Grant	Bernard Cook	Bus: 257-9301 Res: 749-2400
Greenbtier OES	John Sibold	CD Off. 645-3891 Res: 645-2316
	Alliene Dempsey Secretary	Res: 645-1654
Hampshire	J.M. Buckbee	Res: 822-5560
Hancock	Andrew J. Kondik	Bus: 723-7889 Res: 723-3316

Boone	Ira C. Handley	Bus: 369-0718 369-0718
Braxton	J. Robert Flint	Bus: 765-7291 Res: 765-7283
Brooke	Douglas Hervey	CD Off: 737-1757 Bus: 737-0591 Res: 737-0692
Cabell OES	Cecil H. Russell	CD Off: 696-4490 Res: 736-8553
	Robert S. Shy Assistant Director	Res: 429-5119
Calhoun	Clay Sturms, Jr.	Res: 354-6413
Clay	Leonard G. Williams DDD	Bus: 587-4288 Res: 587-4645
Doddridge	J.C. Owens	Bus: 873-2529 Res: 873-2529 873-2222 Emergency Squad
	Ernest J. Marrs Deputy Director	Res: 873-2569
Hardy	William S. Peters	Bus: 538-2924 Res: 538-2294
Harrison	James Laulis	Bus: 624-7436 Res: 842-3786
Jackson	Robert Tidd, Jr.	Bus: 273-4311 - Ext. 2411 Res: 273-4217
Jefferson	J. Kenneth Willingham	CD Off. 725-2814 Bus: 725-2223 GP Opr. 737-5721 Res: 725-5445
Kanawha	W.L. Pence	CD Off. 348-7130 Res: 342-8901
Lewis	President, Co. CRT (Daryl Stalnaker)	Bus: Res:
Lincoln	President, Co. CRT (Lawrence)	Bus: Res: 524-2406 (Griffithsville #)

	Lincoln Co. Sheriff (R.E. Lovejoy)	824-7275 824-3535 (Jail)
Logan	James A. Singleton	Bus: 752-6920 Res: 752-6920
Marion	Eugene E. Straight	Bus: Res: 363-0635
Marshall	Carrell L. Polen	Bus: 845-5300 - Ext. 207 Res: 845-5443
Mason	Richard D. Grinstead	EOC 675-3688 Bus: 273-4311 - Ext. 2449 Ravenswood Exchange Res: 882-2438 882-2439
McDowell	Amick F. Morgan	CD Off. 436-4351 - Ext. 43 Res: 436-4515
Mercer	David L. Bragg	CD Off. 425-9571 Bus: 326-1717 Res: 425-5161
Mineral OES	Raymond Lee	CD Off. Res: 788-1517
	Mrs. Barbara Sutton Assistant Director	Res: 788-2795 Bus: 788-3341 - (Emergency only)
Mingo	Otis Ray Evans	Bus: 235-2202 Res: 235-2828
	Lester H. Cook Deputy Director	Res: 235-2513
Monongalia	Vanden P. King	CD Off. 292-6351 - Ext. 50 Res: 292-6100
Monroe	Russell V. Kittle, Jr.	Bus: 772-3009 Res: 772-5652
Wayne	James W. Pinson	Bus: 727-4751 453-1391 Res: 453-2683
	Clyde J. Rickman Deputy Director	Res: 429-4200

Webster	H.L. Rohrbough	Bus: 847-2669 Res: 847-5434
Wetzel OES	Richard R. Wildman	CD Off. 455-2545 Bus: Res: 455-5817
Wirt	James L. Bailey	Bus: 275-3101 Res: 275-6669
Wood	George L. Fox	CD Off. 485-2828 Res: 422-7492
Wyoming	Jack R. Pizzino	Bus: 682-6714 Res: 682-4046 (unlisted)

*CD Off. - Actual Civil Defense Office
Bus: - Place of employment; business, private or otherwise
Res: - Home

XI. WEATHER FORECASTING INFORMATION

U.S. Weather Service Forecast Office, Charleston, West Virginia

Tel: 924-1404 (FTS)
344-9811

For River Forecasting Information:

Ohio River and tributaries from headwaters to Mile 127:

Pittsburgh Office
Tel: 412-722-2882 (FTS)
412-644-2888 (Commercial)

Ohio River and tributaries from Mile 127 downstream:

Charleston Office
Tel: 924-1404 (FTS)
344-9811 (Commercial)

XII. U.S. ARMY CORPS OF ENGINEERS LOCKS AND DAMS

River	Dam	Mile Point - City	Telephone No.
Monongahela	No. 8	91L -Point Marion, Pa.	412-725-5289
	Morgantown	102L - Morgantown	304-292-1885
	Hildebrand	108L - Laurel Point	304-983-3799
	Opekiska	115R -Catawha	304-366-4224

Kanawha	Winfield	31R - Winfield	304-586-2501
	Marmet	68R - Charleston	304-949-1175
	London	83R - Montgomery	304-442-8422
Ohio	New Cumberland	54F -Stratton, O.	614-537-2571
	Pike Island	84L -Wheeling	304-277-2240
	Hannibal	126R -Hannibal, O.	614-483-1303
	Belleville	204R -Reedsville, O.	614-378-6110
			304-863-6331
	Racine	238L -Letart	304-882-2118
	Gallipolis	279L -Guyan, O.	304-576-2272

STATE OF WEST VIRGINIA

OFFICE OF EMERGENCY SERVICES

806 GREENBRIER STREET
CHARLESTON, WEST VIRGINIA 25311

TELEPHONE 348-5380

E M E R G E N C Y T E L E P H O N E N U M B E R S

CHARLESTON CITY POLICE----------348-8111
(POLICE, FIRE, RESCUE AND FREE AMBULANCE SERVICE)

KANAWHA COOUNTY SHERIFF----------348-6500

STATE POLICE----------348-6370

NATIONAL WEATHER SERVICE OFFICE----------342-7771

STATE POLICE - TOLL FREE NUMBER----------1-800-642-9061

OFFICE OF EMERGENCY SERVICES STATE STAFF

OFFICE TELEPHONE - 348-5380

NAME AND ADDRESS	RESIDENCE TELEPHONE
Richard L. Weekly 6008 Skylark Lane Charleston, West Virginia 25312	984-9463
Madge Richardson #11 Arlington Court Charleston, West Virginia 25301	342-6791
Rosana Burgess 8310 Maryland Avenue Marmet, West Virginia 25315	949-1998
Thomas A. Burns 6501 MacCorkle Avenue, S.E. Charleston, West Virginia 25304	925-7787

OFFICE OF EMERGENCY SERVICES STATE STAFF (Continued)

NAME AND ADDRESS	RESIDENCE TELEPHONE
Patricia A. Lemasters #3 Cloverleaf Circle Charleston, West Virginia 25306	925-2488
Frederick L. White 2245½ Oakridge Drive Charleston, West Virginia 25311	345-8579
Andrew J. "Jack" Moore 423½ Beauregard Street Charleston, West Virginia 25301	344-9204
Fred C. Allen, Jr. 1615 Kirklee Road Charleston, West Virginia 25314	744-0813
Sue Spencer 2201 Zabel Drive Charleston, West Virginia 25312	744-5710
Tom Carr 208 Boone Street St. Albans, West Virginia 25177	722-2044
Lois E. Strode 422 Green Valley Drive St. Albans, West Virginia 25177	727-7556
Billy R. Jopling Route 1, Box 578 Elkview, West Virginia 25071	965-3152
John L. Hill General Delivery Seth, West Virginia 25181	837-3957
Willis R. Toler 400 23rd Street Dunbar, West Virginia 25064	768-5718
Susan H. Jones 529 Campbell's Creek Drive Charleston, West Virginia 25306	925-1387
Robert P. Rhinehart, Jr. 417 Washington Street St. Albans, West Virginia 25177	727-4864

OFFICE OF EMERGENCY SERVICES STATE STAFF (Continued)

NAME AND ADDRESS	RESIDENCE TELEPHONE
Ronny W. Dower 1109 First Avenue Charleston, West Virginia 25302	346-4913
Michael Gatens 714 Holley Street St. Albans, West Virginia 25177	727-6603
Albert M. Lisko 1311 Roseberry Circle Apartment 607 Charleston, West Virginia 25311	344-3846
Hubert H. Buckner Box 168 Institute, West Virginia 25112	768-8449
Nancy Walker 106 Michigan Avenue Apartment B Charleston, West Virginia 25311	
Rebecca M. Heizer 402 Tennessee Avenue Charleston, West Virginia 25302	345-8602
Linn Ohgren 715 Forest Circle South Charleston, West Virginia 25303	744-0896
Carl E. Meador 1023 2nd Avenue Montgomery, West Virginia 25136	442-2603

COUNTY ES/CD DIRECTORS

COUNTY	NAME	TELEPHONE	ADDRESS
Barbour	A.E. BAUGHMAN	Bus. 457-1391 Res. 457-1391 or 457-2120	1 Main Street Philippi 26416
Berkeley	RICHARD R. LOWMAN, JR.	CD Off. 267-8712 Bus. 263-9641 Res. 263-3675	Box 964* Martinsburg 25401 100 Lakeview Drive

*Mailing Address

COUNTY ES/CD DIRECTORS (Continued)

COUNTY	NAME	TELEPHONE	ADDRESS
Boone	JOE L. HOPKINS	Bus. 369-3976 Res. 369-4434	P.O. Box 184* Danville 25053 Hopkins Avenue
Braxton	J. ROBERT FLINT	Bus. 765-7291 Res. 765-7283	1 South Parkway Sutton 26601
Brooke	DOUGLAS HERVEY	CD Off. 737-1757 Bus. 737-0591 Res. 737-0692	Courthouse Wellsburg 26070 717 High Street*
Cabell	CECIL H. RUSSELL (Emergency Use Only..... 696-5555 (Barboursville Alternate Warning Center.....736-5411) PAUL C. BLACK, Assistant Director	CD Off. 696-4490 EOC 696-4460/4430 Res. 736-8553	Courthouse* Huntington 25701
Calhoun	CLAY STURMS, JR.	Res. 354-6413	Grantsville 26147
Clay	LEONARD G. WILLIAMS (Ambulance Service..... 587-2554 WAYNE KING, Assistant Director	Bus. 587-4288 Res. 587-4645 Bus. 587-2943 Res. 587-2110	P.O. Box 232 Clay 25043 P.O. Box 356 Clay
Doddridge	JOHN S. DOWNS, III Emer. Squad ERNEST J. MARRS Deputy Director	Res. 782-2072 873-2222 Res. 873-2569	Route 2 Salem 26426 107 Cottage Ave. West Union 26456
Fayette	JOHN REDMAN MRS. BETTY STEWART	Res. 574-1266 Emer. # 574-2445 Res. 469-9191 Bus. 469-4281	P.O. Box 461 Fayetteville 25480 202 Sanford St. Oak Hill 25901
Gilmer	JACOB A. MINNICH, JR.	Bus. 269-2206 Res. 462-7376 Bus. 462-7376	(Weston Exchange) Box 145 Glenville 26351
Grant	BERNARD Cook	Bus. 257-9301 Res. 749-2400	Box 5 Petersburg 26747

*Mailing Address

COUNTY ES/CD DIRECTORS (Continued)

COUNTY	NAME	TELEPHONE	ADDRESS
Greenbrier	JOHN SIBOLD	CD Off. 645-3891 Res. 645-2316	205 W. Washington St. Lewisburg 24901
	ALLIENE DEMPSEY Secretary	Res. 645-1654	303 First Avenue Lewisburg 24901
Hampshire	ARNO HOTT	Bus. 822-3098/3548 Res. 496-7060	Bd. of Ed. - Romney Augusta 26704*
	J.M. BUCKBEE Deputy Director	Res. 822-5560	P.O. Box 32 Romney 26757
Hancock	ANDREW J. KONDIK	Bus. 723-7889 Res. 723-3316	Weirton 26062 80 Braxton Road
Hardy	JOHN H. AYLOR	Bus. 897-5367 (AM only) Bus. 874-3551 (PM only) Res. 874-3630	Box 116 Wardensville 26851
Harrison	JAMES C. LAULIS	Bus. 624-7436 Res. 842-3786	Courthouse* Clarksburg 26301 Rt. 50 East
	FRED C. LAYMAN Deputy Director	Res. 622-1859 Bus. 624-7431	Rt. 3, Box 64-C
Jackson	ROBERT TIDD, JR.	Bus. 273-4311 Ext. 2411 Res. 273-4217	Ravenswood 26164 505 Gibbs Avenue*
Jefferson	J. KENNETH WILLINGHAM	CD Off. 725-2814 Bus. 725-2223 x5129 Republic 75721 x5518 (GP Operator) Res. 725-5445	Charles Town 25414 110 E. 12th Ave.* Ranson 25438*
Kanawha	TOM CUMMINGS Acting Coordinator	CD Off. 348-7130 Res. 342-4645 Weather 348-6500	P.O. Box 2749 Charleston 25330
Lewis	PRESIDENT, CO. COMM. Haymond L. Rastle	Res. 269-2675	Courthouse Weston 26452
Lincoln	TOM LAGEMAN	Bus. 722-2403(Local) Res. 824-3256	Courthouse Hamlin 25523 Box 604

*Mailing Address

COUNTY ES/CD DIRECTORS (Continued)

COUNTY	NAME	TELEPHONE	ADDRESS
Logan	JAMES A. SINGLETON	Bus. 752-6920 Res. 752-6920	P.O. Box 1477 Logan 25601
Marion	EUGENE E. STRAIGHT	Bus. 366-1016 Res. 363-0635	Fairmont 26554 523 Benoni Ave.
Marshall	CARRELL L. POLEN	Bus. 845-5300 Ext. 207 Res. 845-5443	Moundsville 26041 26 Poplar Avenue
Mason	RICHARD D. GRINSTEAD	EOC 675-3688 Bus. 273-4311 Ext. 2449 Res. 882-2438 882-2439	Pt. Pleasant 25550 (Ravenswood Exchange) P.O. Box 194* New Haven 25265*
McDowell	AMICK F. MORGAN	CD Off. 436-4351 Ext. 43 Res. 436-4515	Box 967* Welch 24801 Buckingham Apts.
Mercer	DAVID L. BRAGG	Bus. (Area Code (703) 326-1717/1718 Res. 425-5161	(Bluefield, Va. Exchange) Rt. 7, Box 479* Princeton 24740*
Mineral	RAYMOND LEE	CD Off. 788-1821 Res. 788-1517	P.O. Box 130* Keyser 26726 200 Maple Ave.
	Mrs. Barbara Sutton	Res. 788-2795 788-3411	Piedmont 26750 (Emer. Only -DOH)
Mingo	BARRY L. COOK	Bus. 583-6507 Res. 664-8207	Man Box 45-B* Gilbert 25621*
Monongalia	GEORGE V. DEMANELIS	CD Off. 292-6351 Ext. 64 296-8246 Bus. 292-9192 Res. 296-3120	P.O. Box 118* Morgantown 26505 (Sat & Sun only) 2 South High
Monroe	President, County Commission	Bus. 772-3009 Res. 772-5652	Courthouse Union 24983

*Mailing Address

COUNTY ES/CD DIRECTORS (Continued)

COUNTY	NAME	TELEPHONE	ADDRESS
Morgan	HOWARD M. STOTLER	Res. 258-2581 (after 3 PM)	P.O. Box 66 Berkeley Springs 25411 1105 Frock Street
	THOMAS W. JACKSON Deputy Director	Bus. 258-1352 Res. 258-1351	P.O. Box 206
Nicholas	BRUCE HATHAWAY	Bus. 846-9455 Res. 846-6056	7 Cherry Street Richwood 26261
Ohio	CHESTER J. SOKOL	CD Off. 233-4060 Bus. 234/3776 Res. 242-1410 F.D. 234-3711	P.O. Box 628* Wheeling 26004 2007 Decatur Ave. *Request Radio Contact
	MRS. PEG BRENNAN Secretary	Res. 277-2241	
Pendleton	BRUCE MINOR	Res. 358-2321	Courthouse Franklin 26807
Pleasants	DOUGLAS J. TAYLOR	CD Off. 684-7750 Res. 684-7550 Bus. 652-3211	501 Sycamore St. St. Marys 26170 (Sistersville #)
	ARTHUR L. BOGGS Deputy Director	Bus. 652-3211 Res. 684-3415	(Sistersville #) 1206 Edgedale
Pocahontas	WARD RICHARD BARLOW, JR.	Bus. 653-4201 Res. 799-4371	707 2nd Avenue Marlinton 24954
Preston	RICHARD V. WOLFE	CD Off. 329-1855 Bus. 329-1905 Res. 329-1354	P.O. Box 512 Kingwood 26537
Putnam	QUENTIN S. ROOPER, JR.	Bus. 755-8201 Res. 755-8440	3053 Mt Vernon Rd. Hurricane 25526 4718 Teays Valley Rd.
Raleigh	WILLIAM R. STRAUB	CD Off. 252-9722 Bus. 255-0481 Res. 253-1175	P.O. Box 1766* Beckley 25801 100 Glenn Avenue
Randolph	ELMER C. POE	CD Off. 636-1945 Res. 636-4143	P.O. Box 668 Elkins 26241

*Mailing Address

COUNTY ES/CD DIRECTORS (Continued)

COUNTY	NAME	TELEPHONE	ADDRESS
Ritchie	JACK M. CUNNINGHAM	Bus. 643-2164 Res. 628-3339	Rt. 1, Box 2761 Cairo 26337
Roane	MRS. MARGARET STURM	Bus. 927-2860 Res. 927-1762	P.O. Box 118* Spencer 25276 Parkersburg Rd. Rt. 1, Box 227
Summers	STEVE PACK	Bus. 466-4235 Res. 466-1919	104 Central Avenue Hinton 25951
Taylor	BERYL RILEY	Bus. 265-0904 Res. 265-1651	P.O. Box 161* Grafton 26354 7 E. Knotts Ave.
Tucker	President, County Commission	Bus. 478-2591 Res. 478-3381	104 Pinecrest Dr. Parsons 26287
Tyler	L. KEITH WEEKLEY	Bus. Res. 758-2935 Fire Dept. 758-9992 Emer. Squad 758-4349	Box 37, Alma 26320
Upshur	MICHAEL C. COWGER Comm. Center (24 hr.).... RONALD PUGH, Deputy Director	Bus. 472-6880 Res. 472-3307 472-2868 Bus. 472-1360 Res. 472-6721	15 Sedgwick Street Buckhannon 26201
Wayne	JAMES W. PINSON	Bus. 727-4751 (above #-local call) Bus. 453-1391 Res. 453-2683	P.O. Box 136* Ceredo 25507* Huntington 25704
	CLYDE J. RICKMAN Deputy Director	Res. 429-4200	410 Alabama Street Huntington 25704
Webster	RALEIGH GREGORY	Bus. 847-5411(AM-Noon) Res. 847-5591	Box 789 Webster Springs 26288
Wetzel	RICHARD R. WILDMAN Weather Watches and Warnings Sheriff	CD Off. 455-2545 Res. 455-5817 455-2430	P.O. Box 548* New Martinsville 26155 214 Franklin Street

*Mailing Address

COUNTY ES/CD DIRECTORS (Continued)

COUNTY	NAME	TELEPHONE	ADDRESS
Wirt	JAMES L. BAILEY	Bus. 275-3101 Res. 275-6669	Rt. 2 Elizabeth 26143
Wood	GEORGE L. FOX	CD Off. 485-3828 Res. 422-7492	1810 Staunton Ave. Parkersburg 26104
	SHARON SHEFF, Secretary	Res. 485-3258	
Wyoming	JACK R. PIZZINO	OES Off. 732-8000 Ext. 49 Bus. 682-6714 Res. 682-4046	Courthouse* Pineville 24874* Glen Fork 25845

*Mailing Address

STATE EMERGENCY
PLANNING & OPERATIONS PERSONNEL - DELAWARE

AREA CODE (302)

Director

James W. McCloskey, Lt. Col. (B) 834-4531
Director
Division of Emergency Planning & Operations
Department of Public Safety, P.O. Box C
Delaware City, Delaware 19706

Home Address:

1226 Ipswich Drive (H) 998-7701
Sherwood Park
Wilmington, Delaware 19808

Administrative & Personnel Officer

Joesph Pasquino, Jr. (B) 834-4531
Administrative & Personnel Officer
Division of Emergency Planning & Operations
Department of Public Safety, P. O. Box C
Delaware City, Delaware 19701

Home Address:

301 Jefferson Street
Delaware City, Delaware 19701 (H) 834-7795

Business - Operations Officer

Lt. Colonel William R. Brown (B) 834-4531
Operations Officer
Division of Emergency Planning & Operations
Department of Public Safety, P.O. Box C
Delaware City, Delaware 19701

Home Address:

907 Woodcrest Drive (H) 674-2429
Dover, Delaware 19901

Custodian

Mike Cole, Jr. (B) 834-4531
Division of Emergency Planning & Operations
Department of Public Safety, P.O. Box C
Delaware City, Delaware 19701

Home Address:

704 4th Street
Delaware City, Delaware

Emergency Preparedness Planner

Charles R. Harris
226 Winterberry Drive (H) 736-6646
Dover, Delaware 19901

Business

Division of Emergency Planning & Operations
Department of Public Safety, P.O. Box C (B) 834-4531
Delaware City, Delaware 19706

Assistant Emergency Preparedness Planner

Russell W. Archut
Division of Emergency Planning & Operations (B) 834-4531
Department of Public Safety, P.O. Box C
Delaware City, Delaware 19706

Home Address:

Fairwinds Motel
Route 40
Bear, Delaware 19071

Operations Clerk

Mrs. Virginia Sartin (B) 834-4531
Operations Clerk
Division of Emergency Planning & Operations
Department of Public Safety, P.O. Box C
Delaware City, Delaware 19706

Home Address: (H) 834-4608

R.D. 1, Box 93
Middletown, Delaware 19709

Admin. Clerk

Mrs. Janet Muller (B) 834-4531
Admin. Clerk
Division of Emergency Planning & Operations
Department of Public Safety, P.O. Box C
Delaware City, Delaware 19706

Home Address:

904 S. Cass Street
Middletown, Delaware 19709 (H) 378-8534

Receptionist

Mrs. Betty R. Ward
Receptionist
Division of Emergency Planning & Operations (B) 834-4531
Department of Public Safety, P.O. Box C
Delaware City, Delaware 19709

Home Address:

Kirkwood, Delaware 19708 (H) 834-4402

Clerk-Typist II

Miss Beverly Blansfield
Route 1
Box 227 (H) 834-7343
Middletown, Delaware 19709

Clerk Stenographer

Miss Marguerite Petrucci
404 Cushman Road (H) 998-7127
Wilmington, Delaware 19804

Acting Coordinator - N.C. County

Mrs. Kathy Lyman (H) 731-4184
11 Capano Drive
Apt. D-6
Newark, Delaware 19704

federal register

MONDAY, FEBRUARY 10, 1975

WASHINGTON, D.C.

Volume 40 ■ Number 28

PART II

COUNCIL ON ENVIRONMENTAL QUALITY

■

NATIONAL OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN

Regional Center for Environmental Information
US EPA Region III
1650 Arch St.
Philadelphia, PA 19103

Title 40—Protection of Environment

CHAPTER V—COUNCIL ON ENVIRONMENTAL QUALITY

PART 1510—NATIONAL OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN

Pursuant to section 311(c)(2) of Pub. L. 92-500 and section 4 of Executive Order 11735, the Council on Environmental Quality on August 13, 1973, invited comments and suggestions regarding a revised of the National Oil and Hazardous Substances Pollution Contingency Plan (38 FR 21888). The Plan was made effective as of August 13, 1973, and was codified as Part 1510 in Chapter V of Title 40 the Code of Federal Regulations.

Comments and suggestions were received from several Federal agencies, Texaco, Inc., General Electric Company, the Salt River Project, the Tennessee Valley Authority, and the American Petroleum Institute. These comments and suggestions were considered by the National Response Team (NRT) in preparing recommended changes to the Plan, and by the Council in approving the NRT's recommendations. Copies of a memorandum setting forth the reasons for decisions on the more important suggestions will be mailed to the parties named above. Additional copies will be available from the Public Information Officer, CEQ, 722 Jackson Place, NW, Washington, D.C. 20006.

Among the changes which have been incorporated in the Plan appearing below are the following:

(1) Annex X has been revised and expanded to provide more precise and definitive information concerning substances which may be employed to remove discharges. It should be noted that, pursuant to section 1(2) of Executive Order 11735, Annex X is the responsibility of the Administrator of the Environmental Protection Agency.

(2) The criteria for determining the size classification of discharges have been revised. It is clearly indicated that these classifications are for administrative purposes and do not imply a measure of environmental threat or damage.

(3) The definition of "discharge" has been revised to include any spilling, etc. that poses a threat to the public health or welfare as defined in section 311. In this connection, it should be noted that, pending designation of hazardous substances pursuant to section 311(b)(2) of Pub. L. 92-500, the NRT agencies will continue to act pursuant to other operating authority to remove polluting substance discharges as necessary to protect the public health or welfare. In addition, it should be emphasized that the addition of the phrase "that poses a threat to the public health or welfare" does not create discretion concerning any discharge prohibited pursuant to section 311(b)(4) of Pub. L. 92-500, since such discharges are per se harmful to the public health or welfare.

(4) The geographic scope of the Plan as indicated in § 1510.3(a) now conforms more closely to the scope indicated in section 311(c) of Pub. L. 92-500. However, the Plan remains somewhat broader in that it covers discharges into the high seas where a threat to U.S. waters, shoreface, or shelf-bottom exists. Necessary response actions in such cases will be carried out pursuant to other agency operating authority, see § 1510.21(c).

The following Plan supersedes the August 13, 1973, version; and is hereby codified as indicated. Copies will be available shortly and may be requested from: Oil and Special Materials Control Division (WH 448), Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460.

GARY L. WIDMAN,
General Counsel.

Subpart A—Introduction

Sec.
1510.1 Authority.
1510.2 Purpose and objectives.
1510.3 Scope.
1510.4 Abbreviations.
1510.5 Definitions (within the meaning of this Plan).

Subpart B—Policy and Responsibility

1510.21 Federal policy.
1510.22 Federal responsibility.
1510.23 Non-Federal responsibility.

Subpart C—Planning and Response Organization

1510.31 Emergency response activities and coordination.
1510.32 National response team.
1510.33 National response center.
1510.34 Regional response team.
1510.35 Regional response center.
1510.36 On-scene coordination.

Subpart D—Operational—Response Phases

1510.40 Phase groupings.
1510.41 Phase I—Discovery and notification.
1510.42 Phase II—Evaluation and initiation of action.
1510.43 Phase III—Containment and countermeasures.
1510.44 Phase IV—Cleanup, mitigation and disposal.
1510.45 Phase V—Documentation and cost recovery.
1510.46 Special considerations.

Subpart E—Coordinating Instructions

1510.51 Delegation of authority.
1510.52 Multi-regional actions.
1510.53 General pattern of response actions.
1510.54 Strike force.

LIST OF ANNEXES

		Annex No.
1100	Distribution	I
1200	National Response Team	II
1300	National Response Center	III
1400	Geographical Boundaries	IV
1500	Communications and Reports	V
1600	Public Information	VI
1700	Legal Authorities	VII
1800	Documentation and Cost Recovery	VIII
1900	Funding	IX
2000	Dispersant Schedule	X
2100	Non-Federal Interests	XI
2500	Technical Information	XV

AUTHORITY: Sec. 311(c)(2), Public Law 92-500, 86 Stat. 865, 33 U.S.C. 1251, et seq.

Subpart A—Introduction

§ 1510.1 Authority.

This National Oil and Hazardous Substances Pollution Contingency Plan [1] has been developed in compliance with the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251, et seq.). The President delegated authority and responsibility to the Council on Environmental Quality to carry out subsection (c)(2) of section 311 of the Act, providing for the preparation, publication, revision and amendment of a National Contingency Plan for the removal of oil and hazardous substances.

§ 1510.2 Purpose of objectives.

(a) This Plan, including the Annexes, provides for a pattern of coordinated and integrated response by Departments and Agencies of the Federal Government to protect the environment from the damaging effects of pollution discharges. It promotes the coordination and direction of Federal and State response systems and encourages the development of local government and private capabilities to handle such discharges.

(b) The objectives of this Plan are to provide for efficient, coordinated and effective action to minimize damage from oil and hazardous substance discharges, including containment, dispersal and removal. The Plan, including the Annexes and regional plans, provides for: (1) Assignment of duties and responsibility among Federal departments and agencies in coordination with State and local agencies; (2) identification, procurement, maintenance, and storage of equipment and supplies; (3) establishment or designation of a strike force to provide necessary services to carry out the Plan and establishment, at major ports, of trained and equipped emergency task forces; (4) a system of surveillance and reporting designed to insure the earliest possible notice of discharges of oil and hazardous substances to appropriate Federal agency; (5) establishment of a national center to provide coordination and direction for operations in carrying out the Plan; (6) procedures and techniques to be employed in identifying, containing, dispersing, and removing oil and hazardous substances; (7) a schedule, prepared in cooperation with the States, identifying dispersants and other chemicals, if any, that may be used in carrying out the Plan; and (8) a system whereby the State or States effected by a discharge may be reimbursed for reasonable costs incurred in the removal of such discharge.

§ 1510.3 Scope.

(a) This Plan is effective for the navigable waters of the United States (section 502(7) of the Act) and adjoining shorelines and for the contiguous zone and the high seas where a threat to the United States waters, shoreface, or shelf-bottom exists.

(b) The provisions of this Plan are applicable to all Federal Agencies. Implementation of this Plan is compatible with and complementary to the joint U.S./Canadian Contingency Plan including the annexes pertaining to the Great Lakes, Eastern and Western

[1] This Plan supersedes the August 1973 edition.

coastal areas; International assistance plans and agreements, security regulations, and responsibilities based upon Federal statutes and Executive Orders.

§ 1510.4 Abbreviations.

(a) *Department and Agency title abbreviations.*

AEC—Atomic Energy Commission
CEQ—Council on Environmental Quality
Commerce—Department of Commerce
Corps—U.S. Army Corps of Engineers
DHEW—Department of Health, Education and Welfare
DOD—Department of Defense
DOI—Department of Interior
DOT—Department of Transportation
EPA—Environmental Protection Agency
FDAA—Federal Disaster Assistance Administration
HUD—Department of Housing and Urban Development
Justice—Department of Justice
MarAd—Maritime Administration
NOAA—National Oceanic and Atmospheric Administration
State—Department of State
USCG—U.S. Coast Guard
USGS—U.S. Geological Survey
USN—U.S. Navy

(b) *Operational title abbreviations.*

NRC—National Response Center
NRT—National Response Team
OSC—On-Scene Coordinator
RRC—Regional Response Center
RRT—Regional Response Team

§ 1510.5 Definitions (within the meaning of this Plan).

(a) Act—means the Federal Water Pollution Control Act, PL 92-500 (86 Stat. 816).

(b) Discharge—includes but is not limited to any spilling, leaking, pumping, pouring, emitting, emptying or dumping. (For the purposes of this Plan, discharges permitted pursuant to sections 301, 302, 306, 318, 402 or 404 of the Act or section 102 of PL 92-532 are not included.)

(c) On-Scene Coordinator (O.S.C.)—means the Federal official pre-designated by the EPA or the USCG to coordinate and direct Federal discharge removal efforts under Regional Contingency Plans at the scene of an oil or hazardous substance discharge.

(d) United States—means the States, the District of Columbia, the Commonwealth of Puerto Rico, the Canal Zone, Guam, American Samoa, the Virgin Islands, and the Trust Territory of the Pacific Islands.

(e) Coastal waters—generally are those U.S. waters navigable by deep draft vessels, the contiguous zone, the high seas and other waters subject to tidal influence.

(f) Inland waters—generally are those waters upstream from coastal waters (paragraph (e) of this section).

(g) Contiguous Zone—means the entire zone established by the United States under Article 24 of the Convention on the Territorial Sea and the Contiguous Zone. This is the zone contiguous to the territorial sea which extends 12 miles seaward from the baseline from which the territorial sea is measured.

(h) Public health or welfare—includes consideration of all factors affecting the health and welfare of man, including but not limited to human health, the natural environment, fish, shellfish, wildlife, and public and private property, shorelines and beaches.

(i) Major Disaster—means any hurricane, tornado, storm, flood, high water, wind-driven water, tidal wave, earthquake, drought, fire, or other catastrophe in any part of the United States which, in the determination of the President, is or threatens to become of sufficient severity and magnitude to warrant disaster assistance by the Federal Government to supplement the efforts and available resources of States and local governments and relief organizations in alleviating the damage, loss, hardship or suffering caused thereby.

(j) Oil—means oil of any kind or in any form, including but not limited to, petroleum, fuel oil, sludge, oil refuse and oil mixed with wastes other than dredged spoil.

(k) Hazardous substance—means any substance designated pursuant to subsection (b)(2) of section 311 of the Act.

(l) Size Classes of Discharges—The following classifications are provided for the guidance of the OSC and serve as the criteria for actions as delineated in § 1510.53. They are not meant to imply or connote associated degrees of hazard to the public health or welfare, or a measure of environmental damage. A discharge that poses a substantial threat to the public health or welfare, or results in critical public concern shall be classed as a major discharge notwithstanding the following quantitative measures.

(1) Minor discharge is a discharge to the inland waters of less than 1000 gallons of oil; or, to the coastal waters, a discharge of less than 10,000 gallons of oil.

(2) Medium discharge is a discharge of 1,000 to 10,000 of oil to the inland waters, or 10,000 to 100,000 gallons of oil to the coastal waters, or a discharge of a hazardous substance in a harmful quantity as defined by regulations.

(3) Major discharge is a discharge of more than 10,000 gallons of oil to the inland waters or more than 100,000 gallons of oil to the coastal waters, or a discharge of a hazardous substance that poses a substantial threat to the public health or welfare.

(m) Potential discharge—is any accident or other circumstance which threatens to result in the discharge of oil or hazardous substance. A potential discharge shall be classified by its severity based on the guidelines above.

(n) Primary Agencies—are those Departments or Agencies comprising the NRT and designated to have primary responsibility and resources to promote effective operation of this Plan. These agencies are: Commerce, DOD, DOI, DOT, and EPA.

(o) Advisory Agencies—are those Departments or Agencies which can make major contributions during response activities for certain types of discharges. These Agencies are: AEC, DHEW, Justice, OEP and State.

(p) Remove or Removal—is the removal of oil or hazardous substance from the water and shorelines or the taking of such other actions as may be necessary to minimize or mitigate damage to the public health or welfare. For purposes of this Plan, removal refers to Phase III and IV response operations.

Subpart B—Policy and Responsibility

§ 1510.21 Federal policy.

(a) The Congress has declared that it is the policy of the United States that there should be no discharge of oil or hazardous substance into or upon the navigable waters of the United States, adjoining shorelines, or into or upon the waters of the contiguous zone (section 311(b)(1) of the Act).

(b) The primary thrust of this Plan is to provide a coordinated Federal response capability at the scene of an unplanned or sudden, and usually accidental, discharge of oil or hazardous substance that poses a threat to the public health or welfare. Initial actions taken by the Federal OSC, designated pursuant to § 1510.36 of this Plan and the appropriate regional continguency plan, shall be to determine in accordance with section 311(c)(1) of the Act, if the actions taken by the person responsible for the discharge of oil or hazardous substance are proper to remove the discharge. The OSC should, if practicable, insure that the persor responsible for the discharge is aware of his responsibility and is encouraged to undertake necessary countermeasures. In the event that the person responsible for the discharge does not act promptly, does not take or propose to take proper and appropriate actions to remove the discharged pollutants, or if the person responsible for the discharge is unknown, further Federal response actions shall be instituted as required in accordance with this Plan. When the person responsible for the discharge is taking proper action, the OSC shall observe and monitor progress, and provide advice, counsel, and logistical support as may be necessary.

(c) Removal actions taken pursuant to section 311(c)(1) of the act are limited to the navigable waters of the United States, adjoining shorelines and the waters of the contiguous zone. Removal actions within the Contiguous zone are limited and do not include those covered by the Outer Continental Shelf Lands Act. When a discharge or potential discharge that poses a threat to the waters of the U.S. occurs outside the jurisdiction under section 311(c) of the Act, the procedures of this plan apply to the extent practicable and removal action will be accomplished pursuant to other Agency authorities. Removal actions for non-vessel discharges on the outer continental shelf, shall be in accordance with the August 1971 DOI/DOT Memorandum of Understanding.

(d) In accordance with section 311(d), whenever a marine disaster in or upon the navigable waters of the United States has created a substantial threat of pollution hazard to the public health or

welfare, because of a discharge, or an imminent discharge, of large quantities of oil, or of a hazardous substance from a vessel, the United States may: (1) Coordinate and direct all public and private efforts directed at the removal or elimination of such threat; and (2) summarily remove and, if necessary, destroy such vessel by whatever means are available without regard to any provisions of law governing the employment of personnel or the expenditure of appropriated funds. This authority has been delegated to the Administrator of EPA and the Secretary of the Department in which the Coast Guard is operating, respectively, in and for the waters for which each has responsibility to furnish or provide the OSC under this Plan.

(e) In addition to any other actions taken by a State or local government, when the Administrator of EPA or the Secretary of the Department in which the Coast Guard is operating determines there is an imminent and substantial threat to the public health and welfare because of an actual or threatened discharge of oil or hazardous substance into or upon the waters of the United States from any onshore or offshore facility, he may require, through the Attorney General, that the U.S. Attorney of the district in which the threat occurs secure such relief as may be necessary to abate such threat. This authority could be exercised on request of the NRT.

(f) The Federal agencies possessing facilities or other resources which may be useful in a Federal response situation will make such facilities or resources available for use in accordance with this Plan, as supplemented by the regional plans, and as consistent with operational requirements, within the limits of existing statutory authority, and within the spirit of the President's intention to minimize discharges and their effects when they do occur.

(g) Environmental pollution control techniques shall be employed in accordance with applicable regulations and guidelines, and regional contingency plans. In any circumstances not covered by regulations or regional contingency plans, the use of chemicals shall be in accordance with Annex X and must have the concurrence of the EPA representative or alternate representative on the RRT; or in his absence the concurrence of the appropriate EPA Regional Administrator.

(h) Response operations carried out to remove discharges originating from Outer Continent Shelf Lands Act operations shall be in accordance with the August 1971 Memorandum of Understanding between DOI and DOT concerning respective responsibilities under this Plan.

§ 1510.22 Federal responsibility.

(a) Each of the Primary and Advisory Federal Agencies has responsibilities established by statute, Executive Order or Presidential Directive which may bear on the Federal response to a pollution discharge. This Plan intends to promote the expeditious and harmonious discharge of these responsibilities through the recognition of authority for action by those Agencies having the most appropriate capability to act in each specific situation. Responsibilities and authorities of these several agencies relevant to the control of pollution discharges are detailed in Annex VII to this part. In the development of the regional plans, provision shall be made to assure recognition of the statutory responsibilities of all involved Agencies.

(b) The Council on Environmental Quality is responsible for the preparation, publication, revision and amendment of this National Contingency Plan. The Council will receive the advice of the NRT on necessary changes to the Plan and shall insure that any disagreements arising among members of the NRT are expeditiously settled.

(c) The Department of Commerce, through NOAA, provides support to the NRT, RRT and OSC with respect to: Marine environmental data; living marine resources; current and predicted meteorological, hydrologic and oceanographic conditions for the high seas, coastal and inland waters; and maps and charts, including tides and currents for coastal and territorial waters and the Great Lakes. When requested by NRT, MARAD will provide advice on the design, construction and operation of merchant ships.

(d) The Department of Defense, consistent with its operational requirements, may provide assistance in critical pollution discharges and in the maintenance of navigation channels, salvage, and removal of navigation obstructions.

(e) The Department of Health, Education, and Welfare is responsible for providing expert advice and assistance relative to those discharges or potential discharges that constitute or may constitute a threat to public health and safety.

(f) The Department of Housing and Urban Development, through FDAA, maintains an awareness of pollution emergencies and evaluates any request for a major disaster declaration received from a Governor of a State pursuant to Pub. L. 93-288. If the President declares that a pollution emergency constitutes a major disaster or that a major disaster is imminent as defined by Pub. L. 93-288, the Administrator, FDAA, will coordinate and direct the Federal response.

(g) The Department of Interior, through the USGS, supplies expertise in the fields of oil drilling, producing, handling, and pipeline transportation. Also, the USGS has access to and supervision over continuously manned facilities which can be used for command, control and surveillance of discharges occurring from operations conducted under the Outer Continental Shelf Lands Act. Additionally, the Department of Interior will provide, through its Regional Coordinators, techincal expertise to the OSC ritory.
and RRT with respect to land, fish and wildlife, and other resources for which it is responsible. DOI is also responsible for American Samoa and the Trust Ter-

(h) The Department of Justice can supply expert legal advice to deal with complicated judicial questions arising from discharges and Federal agency responses.

(i) The Department of Transportation provides expertise regarding all modes of transporting oil and hazardous substances. Through the USCG, DOT supplies support and expertise in the domestic/international fields of port safety and security, marine law enforcement, navigation, and construction; manning, operation, and safety of vessels and marine facilities. Additionally, the Coast Guard maintains continuously manned facilities that are capable of command, control, and surveillance for oil discharges occurring on the waters of the United States or the high seas. The USCG is responsible for chairing the RRT and for implementing, developing and revising, as necessary, the regional plans for those areas where it is assigned the responsibility to furnish or provide for OSC's (§ 1510.36(b)).

(j) The Department of State will provide leadership in developing joint international contingency plans. It will also provide assistance in coordination when a pollution discharge transects international boundaries or involves foreign flag vessels.

(k) The Atomic Energy Commission is the designated Agency for administration, implementation and coordination of the Interagency Radiological Assistance Plan (IRAP). AEC will provide advice and assistance to the NRT with respect to the identification of the source and extent of radioactive contamination, and removal and disposal of radioactive discharges.

(l) The Environmental Protection Agency, through the Office of Water and Hazardous Materials, provides expertise regarding environmental effects of pollution discharges and environmental pollution control techniques, including assessment of damages. EPA shall also advise the RRT and OSC of the degree of hazard a particular discharge poses to the public health and safety. EPA is responsible for chairing the RRT and for development, revision and implementation, as necessary, of regional plans for those areas in which it has responsibility to furnish or provide for the OSC (§ 1310.36(b)). EPA will provide guidance to and coordinate with DOT regarding pollution control and protection of the environment in the preparation of regional plans.

(m) All Federal agencies are responsible for minimizing the occurrence of discharges and for developing the capability to respond promptly in cases of discharges from facilities they operate or supervise, and for making resources available for Federal pollution response operations.

(n) In addition to paragraph (m) of this section, Primary Agencies are responsible for:

(1) Leading all Federal agencies in programs to minimize the number of and environmental damage associated with discharges from facilities they operate or supervise;

(2) Providing representation to the NRT and the RRT's;

(3) Developing, within their operating elements, the capability for a rapid, coordinated response to any pollution discharge;

(4) Making information available to the NRT, RRT or OSC as necessary; and

(5) Keeping NRT and the RRT's informed, consistent with national security considerations, of changes in the availability of resources that would affect the operation of this Plan.

§ 1510.23 Non-Federal responsibility.

(a) The States are invited to provide liaison to RRT's and shall designate the appropriate element of the State government that would undertake direction of State supervised discharge removal operations. The designated agency shall be the single State governmental element that will seek reimbursement for removal operation expenditures in accordance with section 311(c)(2)(H) of the act. Details on reimbursement to States for removal actions taken pursuant to this Plan are contained in 33 CFR, Part 153 and Annex IX—Funding.

(b) Industry groups, the academic community, and others are encouraged to commit resources for removal operations. Their specific commitments are outlined by the regional plans. Of particular relevance is the organization of a standby scientific response capability.

Subpart C—Planning and Response Organization

§ 1510.31 Emergency response activities and coordination.

(a) For pollution emergency response activities, Federal on-scene coordination is accomplished through the OSC. He reports to and receives advice from an RRT composed of appropriate representatives from the Regional and District offices of the Primary and Advisory Agencies.

(b) National level coordination is accomplished through the NRT which receives reports from and renders advice to the RRT. Activities are coordinated through the National and various regional response centers.

(c) The organizational concepts of this Plan are shown on Figure 1.

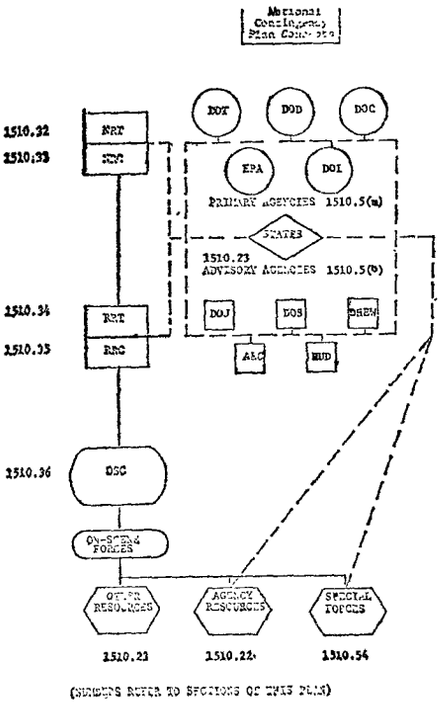


FIG. 1

§ 1510.32 National response team.

(a) The NRT consists of representatives from the Primary and Advisory Agencies. It serves as the National body for planning and preparedness actions prior to a pollution discharge and for coordination and advice during a pollution emergency. It shall be organized and shall function as outlined in Annex II to this part.

(b) The NRT shall establish and maintain a Committee on Revision of the National Plan. This Committee shall provide suggested revisions to the NRT for consideration, approval and publication by CEQ. The Primary Agencies shall provide membership on this standing committee. Advisory Agencies shall participate whenever revision or proposed amendments would affect those Agencies. Ad hoc committees may also be established from time to time to consider various matters. Membership on these committees shall consist of the representatives from the Primary Agencies and such Advisory Agencies that may have direct involvement.

(c) Based on a continuing evaluation of response actions, the NRT shall consider and make recommendations to appropriate agencies relating to training and equipping response team personnel; necessary research, development, demonstration and evaluation activities to improve response capabilities; and equipment, material stockpiling and other operational matters as the need arises. CEQ shall be advised of any agency's failure to adequately respond to these recommendations.

(d) During pollution emergencies, NRT shall act as an emergency response team comprised of representatives from the Primary and selected Advisory Agencies to be activated in accordance with section 1201.2, Annex II to this part.

§ 1510.33 National Response Center.

(a) The NRC, located at Headquarters, USCG, is the Washington, D.C. headquarters site for activities relative to pollution emergencies. NRC quarters are described in Annex III to this part, and provide communications, including a continuously manned communication center, information storage; and necessary personnel and facilities to promote the smooth and adequate functioning of this activity as described in Annex III to this part.

§ 1510.34 Regional Response Team.

(a) The RRT consists of regional representatives of the Primary and selected Advisory Agencies, as appropriate. RRT shall act within its region as an emergency response team performing response functions similar to those described for NRT. RRT will also perform review and advisory functions relative to the regional plan similar to those prescribed for NRT at the National level. Additionally, the RRT shall determine the duration and extent of the Federal response, and when a shift of on-scene coordination from the predesignated OSC to another OSC is indicated by the circumstances or progress of a pollution discharge.

(b) Each Primary Agency shall designate one member and a minimum of one alternate member to the RRT. Each Advisory Agency may designate a member. Agencies may also provide additional representatives as observers to meetings of the RRT. Individuals representing the participating agencies may vary depending on the subregional area in which the discharge occurred or removal actions are underway. Details of such representation are specified in each regional contingency plan.

(c) Each of the States lying within a region is invited to furnish liaison to the RRT for planning and preparedness activities. When the Team is activated for a pollution emergency, the affected State or States are invited to participate in RRT deliberations.

(d) The RRT shall be activated automatically in the event of a major or potential major discharge. The RRT shall be activated during any other pollution emergency by an oral request from any Primary Agency representative to the Chairman of the team. Such requests for team activation shall be confirmed in writing. The time of team activation, place of assembly, and means of contact shall be included in POLREPS submitted in accordance with Annex V to this part.

(e) The Chairman may require assembly of all or selected members of the team at the emergency center during a pollution response operation to provide technical support and assistance to the OSC.

(f) Deactivation of RRT shall be by agreement between the EPA and USCG team members. The time of deactivation shall be included in POLREPS submitted in accordance with Annex V to this part.

(g) Boundaries of the Standard Federal Regions as shown in Annex IV to this part shall be followed for the development of Regional Contingency Plans.

§ 1510.35 Regional Response Center.

(a) The RRC is the regional site for pollution emergency response activities. It will be accommodated in quarters described in each regional plan and will provide communications, information storage and other necessary personnel and facilities to promote the proper functioning and administration of regional pollution emergency response operations.

§ 1510.36 On-Scene Coordination.

(a) Coordination and direction of Federal pollution control efforts at the scene of a discharge or potential discharge shall be accomplished through the OSC, predesignated by regional plan to coordinate and direct such pollution control activities in each area of the region.

(1) In the event of a discharge of oil or hazardous substance, the first official on the site from an agency having responsibility under this Plan shall assume coordination of activities under the Plan until the arrival of the predesignated OSC.

(2) The OSC shall determine pertinent facts about a particular discharge, such as its potential impact on human health and welfare; the nature, amount, and location of material discharged; the probable direction and time of travel of the material; the resources and installations which may be affected and the priorities for protecting them.

(3) The OSC shall initiate and direct as required Phase II, Phase III and Phase IV operations. Advice provided by the EPA representative on the RRT on use of chemicals in Phase III and Phase IV operations in response to discharges of oil or hazardous substances shall be binding on the OSC, except as provided for by Annex X to this part.

(4) The OSC shall call upon and direct the deployment of needed resources in accordance with the regional plan to evaluate the magnitude of the discharge and to initiate and continue removal operations.

(5) The OSC shall provide necessary support activities and documentation for Phase V activities.

(6) In carrying out this Plan, the OSC will fully inform and coordinate closely with RRT to ensure the maximum effectiveness of the Federal effort in protecting the natural resources and the environment from pollution damage.

(b) EPA and the USCG shall insure that OSC's are predesignated for all areas within the region in accordance with the following criteria:

(1) The EPA shall furnish or provide for OSC's on inland waters.

(2) The USCG shall furnish or provide for OSC's for the coastal waters, and for Great Lakes waters, ports and harbors.

(3) The major consideration in selection of the OSC shall be based upon that Agency's capability and resources for pollution control response activities and the individual OSC's knowledge of the National Contingency Plan and the appropriate Regional Contingency Plan.

(c) All Federal agencies are required by executive order to develop emergency plans and procedures for dealing with accidental pollution. All Federal agencies, therefore, are responsible for designating the offices to coordinate response actions for facilities or vessels under their jurisdiction and for the provision of means to remove or mitigate the effects of discharges from their facilities. If the responsible Agency does not act promptly or take appropriate action, the EPA or USCG shall, depending on the area in which the discharge occurs, assume the OSC functions. Pollution control actions taken must be in accordance with Federal regulations and guidelines, EPA policies and this Plan.

Subpart D—Operational—Response Phases

§ 1510.40 Phase groupings.

The actions taken to respond to a pollution discharge can be separated into five relatively distinct classes or phases. For descriptive purposes, these are: Phase I—Discovery and Notification; Phase II—Evaluation and Initiation of Action; Phase III—Containment and Countermeasures; Phase IV—Removal, Mitigation and Disposal; and Phase V—Documentation and Cost Recovery. It must be recognized that elements of any one phase may take place concurrently with one or more other phases.

§ 1510.41 Phase I—Discovery and notification.

(a) A discharge may be discovered through: (1) A report submitted by a discharger in accordance with statutory requirements; (2) through deliberate search by vessel patrols and aircraft; and (3) through random or incidental observations by government agencies or the general public.

(b) In the event of a deliberate discovery, the discharge will be reported directly to the RRC. Reports of random discovery may be provided by fishing or pleasure boats, police department, telephone operators, port authorities, news media, or others. Reports generated by random discovery should be submitted to the nearest USCG or EPA office. Regional plans shall provide for such reports to be channeled to the RRC as promptly as possible to facilitate effective response action. Reports of major and medium discharges received by either EPA or USCG shall be expeditiously relayed by telephone to the other agency. Reports of minor discharges shall be exchanged between EPA and USCG as agreed to by the two agencies.

(c) The Agency furnishing the OSC for a particular area is assigned responsibility for implementing Phase I activities in that area.

§ 1510.42 Phase II—Evaluation and initiation of action.

(a) The OSC shall insure that a report of a discharge is immediately investigated. Based on all available information, the OSC shall: (1) Evaluate the magnitude and severity of the discharge; (2) determine the feasibility of removal; and (3) assess the effectivenes of removal actions.

(b) The OSC shall, when appropriate and as soon as possible after receipt of a report, advise the RRC of the need to initiate further governmental response actions. This may be limited to activation of the RRT or a request for additional resources to conduct further surveillance or initiation of Phase III or Phase IV removal operations.

(c) The OSC shall insure that adequate surveillance is maintained to determine that removal actions are being properly carried out. If removal is not being done properly, the OSC shall so advise the responsible party. If, after the responsible party has been advised and does not initiate proper removal action, the OSC shall, pursuant to section 311(c)(1) of the act, take necessary action to remove the pollutant.

(d) If the discharger is unknown or otherwise unavailable, the OSC shall proceed with removal actions pursuant to section 311(c)(1) of the act.

§ 1510.43 Phase III—Containment and countermeasures.

(a) These are defensive actions to be initiated as soon as possible after discovery and notification of a discharge. These actions may include public health and welfare protection activities, source control procedures, salvage operations, placement of physical barriers to halt or slow the spread of a pollutant, emplacement or activation of booms or barriers to protect specific installations or areas, control of the water discharge from upstream impoundments and the employment of chemicals and other materials to restrain the pollutant and its effects on water related resources.

§ 1510.44 Phase IV—Cleanup, mitigation and disposal.

(a) This includes actions taken to recover the pollutant from the water and affected public and private shoreline areas, and monitoring activities to determine the scope and effectiveness of removal actions. Actions that could be taken include the use of sorbers, skimmers and other collection devices for floating pollutants, the use of vacuum dredges or other devices for sunken pollutants; the use of reaeration or other methods to minimize or mitigate damage resulting from dissolved, suspended or emulsified pollutants; or special treatment techniques to protect public water supplies or wildlife resources from continuing damage.

(b) Pollutants and contaminated materials that are recovered in cleanup operations shall be disposed of in accordance with procedures agreed to at the State or local level.

§ 1510.45 Phase V—Documentation and cost recovery.

(a) This includes a variety of activities, depending on the location of and circumstances surrounding a particular discharge. Recovery of Federal removal costs and recovery for damage done to Federal, State or local government property is included; however, third party damages are not dealt with in this Plan. The collection of scientific and technical information of value to the scientific community as a basis for research and development activities and for the enhancement of understanding of the environment may also be considered in this phase. It must be recognized that the collection of samples and necessary data must be performed at the proper times during the case to fix liability and for other purposes.

§ 1510.46 Special considerations.

(a) *Safety of personnel.* Actual or potential polluting discharges that could have an imminent and substantial effect on both air and water media can pose serious hazards to personnel health and safety. The OSC should be aware of this potential and should exercise caution in allowing civilian or government personnel into the affected area without first verifying the nature of the substance discharged. Regional plans shall identify the sources of information on the hazards, precautions, and personnel protective requirements that will be expected in carrying out response operations. The means for OSC to secure such information also shall be included.

(b) *Waterfowl conservation.* Oil discharges, particularly in estuarine and near shore areas, often cause severe stress to resident and migratory bird species. The DOI representatives and the State liaison to the RRT shall arrange for and coordinate actions of professional and voluteer groups that wish to establish bird collection, cleaning and recovery centers. Regional contingency plans shall, to the extent practicable, identify organizations or institutions that can and are willing to establish and operate such facilities. These activities will normally be considered Phase IV response actions (§ 1510.44 of this subpart).

Subpart E—Coordinating Instructions

§ 1510.51 Delegation of Authority.

(a) When required, delegation of authority or concurrence in proposed or continuing pollution control activities initially may be oral; however, written confirmation by the EPA representative on RRT should be completed as soon as possible.

§ 1510.52 Multi-regional actions.

(a) In the event that a discharge or a potential pollution emergency moves from the area covered by one contingency plan into another area, the authority to initiate pollution control actions shall shift as appropriate. In the event that a polluting discharge or potential pollution emergency affects areas covered by two or more regional plans, the response mechanism called for by both plans shall be activated; however, pollution control actions shall be fully coordinated as detailed in the regional plans.

(b) There shall be only one On-Scene Coordinator at any time during the course of a response operation. Should a discharge affect two or more areas, the RRT will designate the OSC, giving prime consideration to the area vulnerable to the greatest damage. NRT shall designate the OSC if members of one RRT or of two adjacent RRT's, if appropriate, are unable to agree on the designation.

§ 1510.53 General pattern of response actions.

(a) When the predesignated Federal On-Scene Coordinator receives a report of a discharge, or potential discharge, the report should be evaluated. In most situations, the sequence of actions shown below should be followed:

(1) Investigate the report to determine pertinent information such as the threat posed to public health or welfare, the type and quantity of material discharged, and the source of the discharge.

(2) Effect notification in accordance with Annex V to this part and the applicable regional plan.

(3) Determine, in accordance with section 311(c)(1) of the act, whether removal actions are being carried out properly. Removal is considered as being done properly when the following criteria are met:

(i) Private cleanup efforts are effective in terms of the statutory definition of removal, that is, they are fully sufficient to minimize or mitigate damage to the public health or welfare. Private removal efforts shall be deemed "improper" to the extent that Federal efforts are necessary to prevent continued or further damage.

(ii) Private removal efforts must be in accordance with applicable regulations and guidelines, and Annex X to this part and other provisions or restrictions of this Plan.

(4) Designate the severity of the situation and determine the future course of action to be followed.

(5) Determine whether State action to effect removal is necessary.

(b) The result of the report probably can be categorized by one of five classes. Appropriate action to be taken in each specific type case is outlined below:

(1) If the investigation shows that the initial information overstated the magnitude or danger of the discharge and there is no environmental pollution involved, it shall be considered a false alarm and the case should be closed.

(2) If the investigation shows a minor discharge with the discharger taking appropriate removal action, contact should be established with the discharger. The removal action should be monitored to insure continued proper action by the owner or operator of the vessel, onshore facility or offshore facility from which the discharge occurred.

(3) If the investigation shows a minor discharge with improper removal action being taken, the following measures shall be taken:

(i) An immediate effort should be made to prevent further discharges from the source.

(ii) The discharger shall be advised of the proper action to be taken.

(iii) If the discharger does not follow this advice, warning of the discharger's liability for the cost of removal, pursuant to section 311(f), shall be given. (See paragraph (a)(3) of this section).

(iv) The OSC should notify appropriate State and local officials. He shall keep the RRC advised and initiate Phase III and IV operations as conditions warrant.

(v) Information shall be collected for possible recovery of removal costs when removal is effected in accordance with section 311(c)(1) of the Act.

(4) When a report of investigation indicates that a medium discharge has occurred, or the potential for a medium discharge exists, the OSC shall follow the same general procedures as for a minor discharge. Additionally, the OSC shall make a recommendation concerning team activation to the Chairman of the RRT.

(5) When a report indicates that a major discharge has occurred, a potential major pollution emergency exists, or that a discharge or potential discharge which could arouse wide public concern has occurred, the OSC shall follow the same procedures as for minor and medium discharges. RRC and NRT shall, however, be notified immediately of the situation even if the initial report has not been confirmed.

§ 1510.54 Special forces.

(a) The National Strike Force (NSF) shall be established consisting of personnel trained, prepared, and available to provide necessary services to carry out this Plan. This NSF shall be formed around the Strike Teams established by the U.S. Coast Guard on the East, West, and Gulf coasts, and including the Environmental Response Team (ERT) established by the EPA, when required. The NSF shall provide assistance to the OSC during Phase III, IV, and V operations as the circumstances of the situation dictate. When possible, the NSF will provide training to the Emergency Task Forces and participate with the Regional Response Team in Regional Contingency Plan development.

(1) The Strike Teams established by the U.S. Coast Guard are able to provide communications support, advice and assistance for oil and hazardous substances removal. These teams include expertise in ship salvage, diving, and removal techniques and methodology.

(2) The Environmental Response Team established by EPA to carry out the Agency's disaster and emergency responsibilities can provide the OSC and NSF with advice on the environmental

effects of oil and hazardous substances discharges, and removal and mitigation of the effects of such discharges. This team includes expertise in biology, chemistry, engineering and, when necessary, meteorology and oceanography.

(3) The Emergency Task Forces established pursuant to section 311(c)(2)(C) shall consist of trained personnel with adequate supplies of oil and hazardous pollution control equipment and materials and detailed discharge removal plans for their areas of responsibility. The Emergency Task Forces shall be established by the Agency responsible for providing the OSC not later than one year from the effective date of this Plan.

(4) The NSF and ERT will generally respond to requests for assistance from the OSC. Requests for the NSF may be made directly to the Commanding Officer of the appropriate Strike Team, the Coast Guard member on the RRT, the appropriate Area Commander, USCG, or to the Commandant, USCG, through the NRC. Requests for the EPA-ERT may be made to the EPA Emergency Coordinator or the appropriate Regional Emergency Coordinator (REC), or the EPA representative on the RRT.

ANNEX I—1100 DISTRIBUTION

1101 Plan distribution.

1101.1 This Plan will be distributed to designated offices of Primary and Advisory Agencies, State and interstate water pollution control agencies and such other Federal, State, local and private agencies and organizations which are cooperating with and participating in activities in support of the Plan.

1101.2 Included in this formal distribution are the following:

Department of Commerce
Department of Defense
Department of Health, Education and Welfare
Department of the Interior
Department of Housing and Urban Development
Department of Justice
Department of State
Department of Transportation
Atomic Energy Commission
All State water pollution control agencies
All interstate water pollution control agencies
Other Federal, State, local and private agencies and organizations, as appropriate.

1101.3 Formal distribution of the Plan and amendments will be made by the Environmental Protection Agency.

1102 Amendment, distribution and format.

1102.1 Amendments to the Plan and annexes will be made by sequentially numbered changes. Numbered changes will be effected by means of a transmittal sheet which identifies the Plan, the change number and date, the page numbers affected by the change and any other instructions deemed necessary for purposes of clarity or to make special emphasis or explanation of the change. There will be attached to the transmittal sheet the revised or added pages with the change number and current date on each page at the upper right hand corner.

1102.2 Where a change can be effected merely by pen and ink, the transmittal sheet may be used to accomplish the change without submission of revised pages. The use of pen and ink changes is limited to those cases where existing matter is being deleted or is of minor extent.

1102.3 Asterisks will be used to indicate changes. For line changes, an asterisk will be placed before and after each sentence changed in the left and right page margins. For paragraph changes, an asterisk will be placed before and after each paragraph changed and if continued on the next page, an asterisk will be placed at the top of the page and the end of the paragraph. For a paragraph deletion, an asterisk will be placed in the left margin and the paragraph number or letter will be retained in the original sequence followed by the word "Rescinded" in parentheses.

1102.4 If the Plan is completely rewritten, asterisks will not be used but supercession will be indicated at the bottom of the first page.

ANNEX II—1200 NATIONAL RESPONSE TEAM

1201 National Response Team.

1201.1 The NRT consists of representatives from the Primary and Advisory Agencies. It serves as the National body for planning and preparedness actions prior to a pollution discharge and for coordination and advice during a pollution discharge.

1201.2 Membership on the NRT is established by § 1510.32(a). Each Primary and Advisory Agency shall designate a member to the team and sufficient alternates to insure representation in the event that the member is unavailable.

1202 NRT organization.

1202.1 Except for periods of activation because of a pollution incident, the representative of EPA shall be the Chairman and the representative of DOT shall be vice-chairman of NRT. The vice-chairman shall maintain records of the NRT activities along with National and regional plans for pollution response. When NRT is activated for a pollution incident, the Chairman shall be the representative of EPA or DOT, depending upon the area in which the response is taking place.

1203 NRT purpose.

1203.1 The NRT, when not activated for a pollution discharge, serves as a standing committee to recommend needed policy changes in the response organization, to revise this Plan as needed and to evaluate the preparedness of the Agencies and effectiveness of plans for coping with pollution discharges.

1203.2 The NRT shall act as an emergency response team to be activated in the event of a discharge involving oil or hazardous substances which (a) exceeds the response capability of the region in which it occurs; (b) transects regional boundaries; (c) involves significant numbers of persons or nationally significant amounts of property; or (d) when requested by any Primary Agency representative. Each representative, or an appropriate alternate, shall be notified immediately by telephone of activation of NRT.

1204 Responsibilities and functions.

1204.1 Planning and preparedness responsibilities of the NRT are to:

1204.1-1 Maintain a continuing review of regional pollution emergency response operations and equipment readiness to insure adequacy of regional and national planning, and coordination for combating discharges of oil and hazardous substances. RRT shall recommend revision of the National Contingency Plan to CEQ on the basis of observations of response operations;

1204.1-2 Review the functioning of the RRT's to insure that regional plans developed are fully coordinated among involved agencies. It shall serve as a body to which the RRT's may refer for settlement of matters which they cannot resolve;

1204.1-3 Develop procedures to promote the coordination of Federal, State and local governments and private agencies to respond to pollution incidents;

1204.1-4 Consider necessary changes in policy on the basis of continuing evaluation of regional response actions taken in combating discharges of oil and hazardous polluting substances;

1204.1-5 Provide information to the Research and Development Committee, on research requirements, the need for which is not known until discharges of unusual materials or unique circumstances occur;

1204.1-6 Maintain a continuing awareness of review and act upon reports by the Research and Development Committee;

1204.1-7 Maintain a readiness posture to respond to a nationally significant discharges of oil or other hazardous substance;

1204.1-8 Maintain a continuing surveillance of incoming reports from all RRT's and activate NRT when appropriate; and

1204.1-9 Meet quarterly on the first Thursday of March, June, September and December to review pollution emergency response actions of the preceding period, receive reports of the Committee on Revision and consider amendments to the Plan.

1204.2 When activated during a pollution discharge response, Agency representatives shall meet at the call of the Chairman and shall:

1204.2-1 Monitor and evaluate reports generated by the OSC insuring their completeness. Based on this evaluation, NRT may recommend courses of action in combating the discharge through RRT for consideration by the OSC.

1204.2-2 Request other Federal, State, local government or private agencies to consider taking action under their existing authorities to provide resources necessary for combating a discharge or deployment of personnel to monitor response operations.

1204.2-3 Coordinate the actions of regions or districts other than those affected by the pollution emergency to supply needed equipment, personnel, or technical advice to the RRT and OSC. This includes requests, when appropriate, for activating the Special Forces provided by § 1510.54 of the Plan.

1204.2-4 Act as the focal point for national public information releases and for information transfer between the OSC and the Washington, D.C. headquarters of the Agencies concerned, so as to minimize or prevent dissemination of spurious and incomplete information. Public information actions are discussed in Annex VI of this part.

ANNEX III—1300 NATIONAL RESPONSE CENTER

1301 National Response Center location.

1301.1 The National Response Center (NRC) for control of pollution by oil and hazardous substances is established at the Headquarters, United States Coast Guard, Washington, D.C.

1302 NRC purpose.

1302.1 The purpose of the NRC is to provide physical facilities for coordination and control of a pollution emergency should national level involvement be required.

1303 Responsibility for NRC.

1303.1 The Commandant, U.S. Coast Guard, shall provide the necessary communications and plotting facilities and equipment. These will include:

1303.1-1 A continuously manned communication center for receiving reports of discharges;

1303.1-2 Telephone branch lines;

1303.1-3 Teletypewriter circuits;

1303.1-4 The latest updated charts of the Department of Commerce, Interior and Defense for the U.S. waters, the Continental

Shelf and the ocean areas adjacent to U.S. territorial waters;

1303.1–5 Technical library on oil and hazardous substances pollution; and,

1303.1–6 Plotting and display provisions to visually depict the geographic position, movement and extent of the pollutant.

1303.2 Primary Agencies shall furnish competent technical personnel to man the NRC as requested, furnish appropriate technical manuals and materials, and such additional administrative support as required to operate the NRC effectively and efficiently.

1304 Communications services available.

1304.1 Telephone (voice) services available include:

1304.1–1 Commercial telephone available 24 hours per day, toll free (800) 424–8802;

1304.1–2 AUTOVON (Automated Voice Network)—General purpose switched voice network of Defense Communications Systems, which serves Continental U.S., Alaska, Europe, Pacific and Panama;

1304.1–3 Washington Tactical Switchboard—Pentagon terminal of the tactical telephone system, operated by USAF;

1304.1–4 FTS–GSA operated government administrative telephone system; and,

1304.1–5 SARTEL—Search and Rescue Command Coordination telephone network including leased Hotline telephone net extending from *Halifax to New Orleans.*

1304.2 Teletype writer services available include:

1304.2–1 AUTODIN—A defense communications worldwide high speed user data communications system operated for and managed by the DCA to provide both direct user-to-user and store and forward message switching service for DOD and other government agencies;

1304.2–2 SARLANT—Coast Guard-leased teletypewriter system extending from Massachusetts to Texas (used to control and coordinate SAR incidents and to handle other operational traffic and priority administrative communications);

1304.2–3 SARPAC—Same as (2) for the West Coast U.S.; and

1304.2–4 TELEX—Teletypewriter exchange service provided by Western Union that serves Continental U.S., industry and Government offices. TELEX also permits direct connections with international communication carriers and oversea TELEX communications.

1305.1 Information on current and predicted meteorological, hydrologic and oceanographic conditions for the high seas, coastal and inland waters is available from NOAA. If specific capabilities of other agency environmental description and prediction programs are required because of the area or unusual conditions, NOAA will arrange for the provision of such information.

ANNEX IV—1400 PRIMARY AGENCY OFFICE LOCATIONS AND BOUNDARIES

1400 Geographical boundaries.

Regional contingency plans shall be based upon the Standard Federal Regions. These plans are available for inspection at EPA regional offices or U.S. Coast Guard district offices as shown in 1401 and 1402. Other agencies' addresses and telephone numbers may be found in the United States Government Manual (issued annually) or in the local telephone directories of cities shown on the maps included in this Annex. EPA, HEW, and HUD regional geographical boundaries follow this delineation.

1401 Environmental Protection Agency—Office addresses, telephone numbers, and map.

1402 Department of Transportation—United States Coast Guard district offices addresses, telephone numbers and maps.

1403 Department of Commerce—map.

1404 Department of Defense—maps.

1404.1 U.S. Army Corps of Engineers.

1404.2 U.S. Army Continental Army Commands.

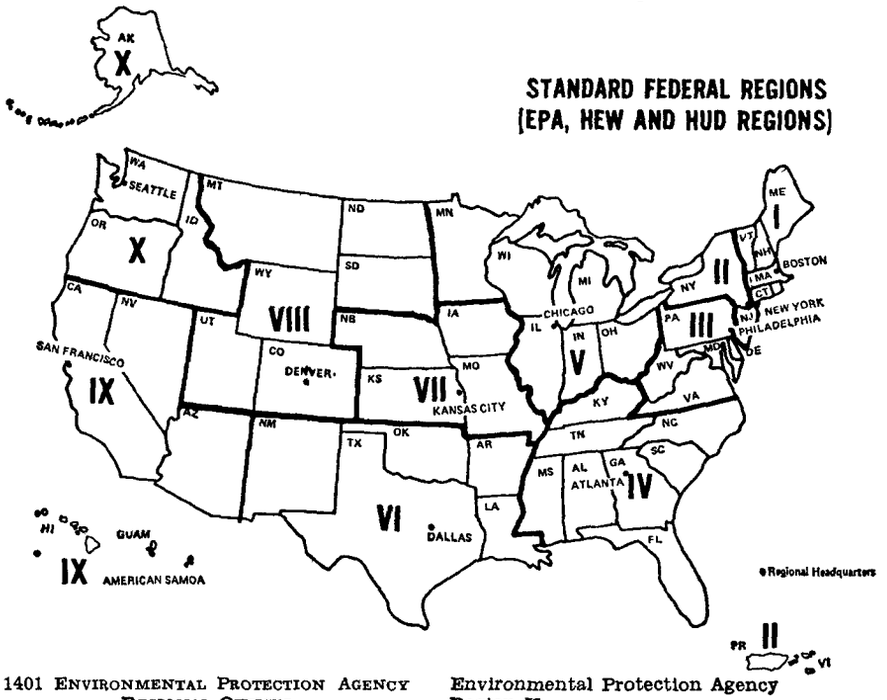
1404.3 U.S. Naval Districts.

1404.4 U.S. Air Force Reserve Regions.

1405 U.S. Department of the Interior.

1405.1 Field Committee Regions.

1405.2 U.S. Geological Survey—Area and District Offices—map.



1401 ENVIRONMENTAL PROTECTION AGENCY REGIONAL OFFICES

Environmental Protection Agency
Region I, Room 2303
John F. Kennedy Federal Building
Boston, Massachusetts 02203
Tel: (617) 223–7265

Environmental Protection Agency
Regional II, Room 908
26 Federal Plaza
New York, New York 10007
Tel: (201) 548–8730

Environmental Protection Agency
Region III
Curtis Bldg.
6th and Walnut Streets
Philadelphia, Pennsylvania 19106
Tel: (215) 597–9898

Environmental Protection Agency
Region IV
1421 Peachtree St., NE.
Atlanta, Georgia 30309
Tel: (404) 526–5062

Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60604
Tel: (312) 896–7591

Environmental Protection Agency
Region VI, Suite 1600
1600 Patterson St.
Dallas, Texas 75201
Tel: (214) 749–3840

Environmental Protection Agency
Region VII
1735 Baltimore Ave.
Kansas City, Missouri 64108
Tel: (816) 374–3778

Environmental Protection Agency
Region VIII, Suite 900
1860 Lincoln Street
Denver, Colorado 80203
Tel: (303) 837–3880

Environmental Protection Agency
Region IX
100 California Street
San Francisco, California 94111
Tel: (415) 556–6254

Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101
Tel: (206) 442–4343

1402 DEPARTMENT OF TRANSPORTATION U.S. COAST GUARD DISTRICTS

1st Coast Guard District
150 Causeway Street
Boston, Mass. 02114
Duty Officer: (617) 223–6650

2nd Coast Guard District
Federal Building
1520 Market Street
St. Louis, Mo. 63101
Duty Officer: (314) 622–4614

3rd Coast Guard District
Governors Island
New York, N.Y. 10004
Duty Officer: (212) 264–4800

5th Coast Guard District
Federal Building
431 Crawford Street
Portsmouth, Va. 23705
Duty Officer: (703) 393–9611

7th Coast Guard District
Room 1018, Federal Bldg.
51 S.W. 1st Avenue
Miami, Fla. 33130
Duty Officer: (305) 350–5611

8th Coast Guard District
Customhouse
New Orleans, La. 70130
Duty Officer: (504) 527–6225

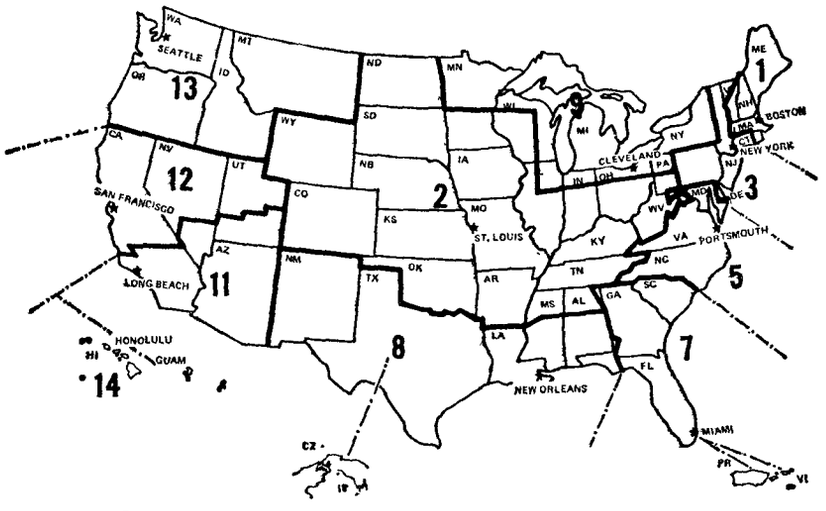
9th Coast Guard District
1240 East 9th Street
Cleveland, Ohio *44199*
Duty Officer: (216) 522–3984

11th Coast Guard District
Heartwell Bldg.
19 Pine Avenue
Long Beach, Calif. 90802
Duty Officer: (213) 590–2311

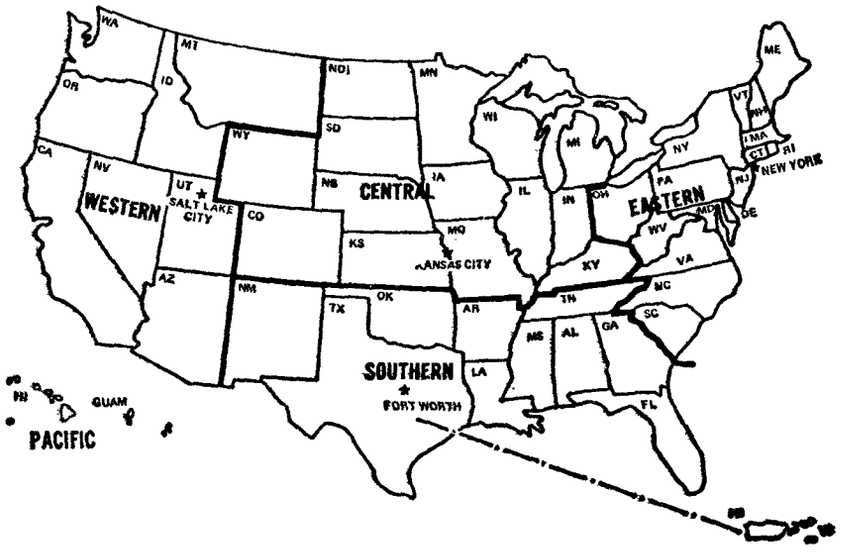
12th Coast Guard District
630 Sansome Street

San Francisco, Calif. 94126
Duty Officer: (415) 556-5500
13th Coast Guard District
618 2nd Avenue
Seattle, Wash. 98104
Duty Officer: (206) 524-2902
14th Coast Guard District
677 Ala Moana Blvd.
Honolulu, Hawaii 96813
Duty Officer: (808) 546-7109
(COMMERCIAL ONLY)
AUTOVON—421-4845
17th Coast Guard District
P.O. Box 3-5000
Juneau, Alaska 99801
Duty Officer: (907) 586-7340
(COMMERCIAL ONLY)
AUTOVON—388-1121

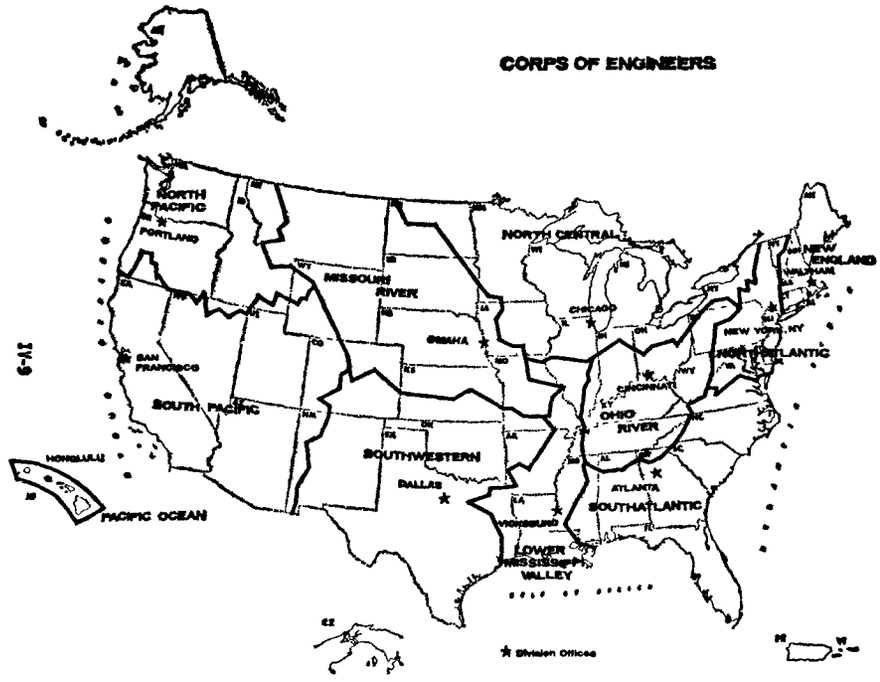
UNITED STATES DEPARTMENT OF TRANSPORTATION
U. S. COAST GUARD DISTRICTS



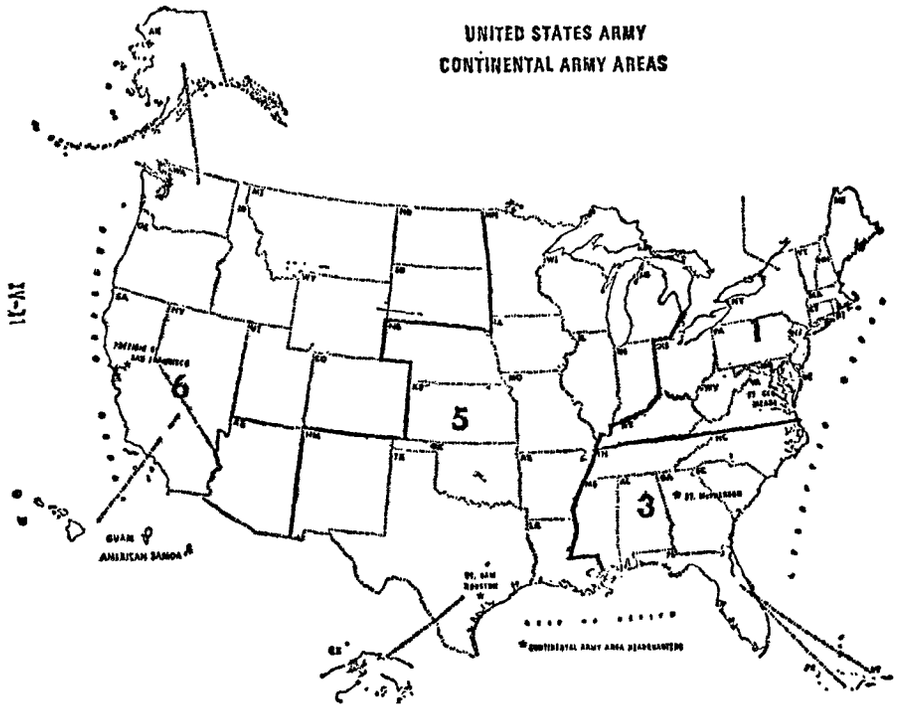
UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL WEATHER SERVICE REGIONS



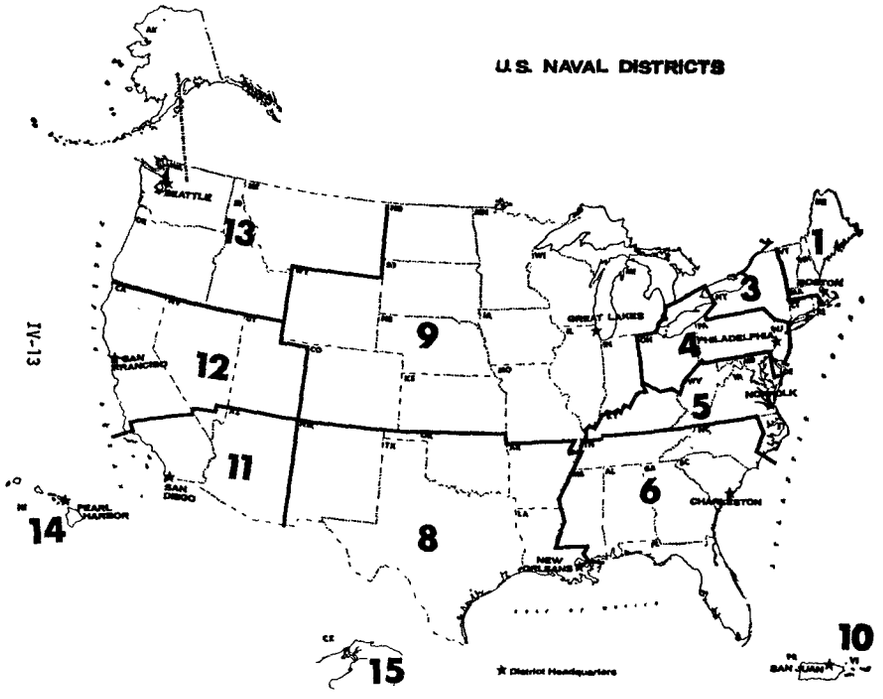
CORPS OF ENGINEERS



UNITED STATES ARMY
CONTINENTAL ARMY AREAS

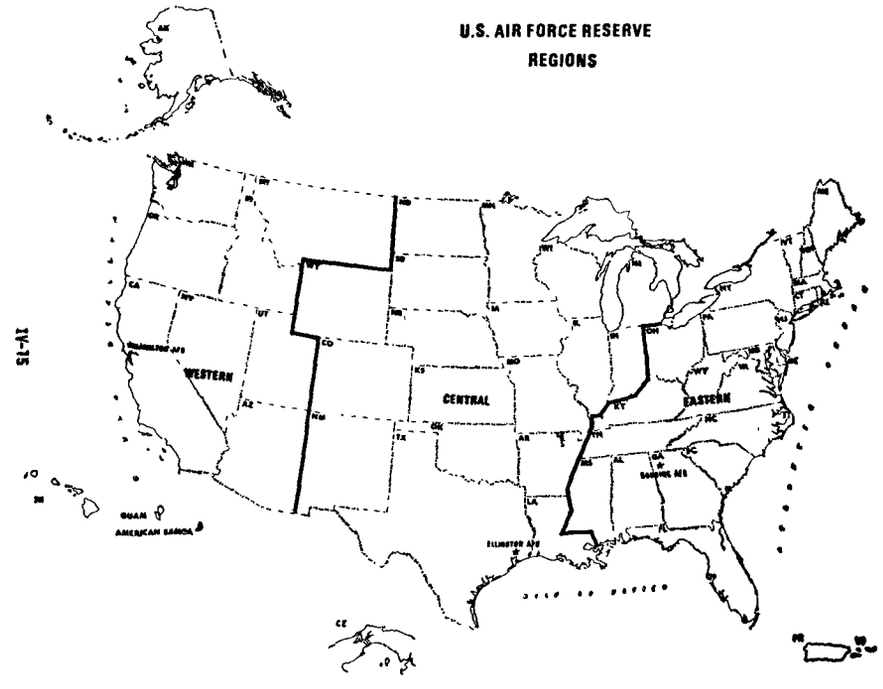


U.S. NAVAL DISTRICTS

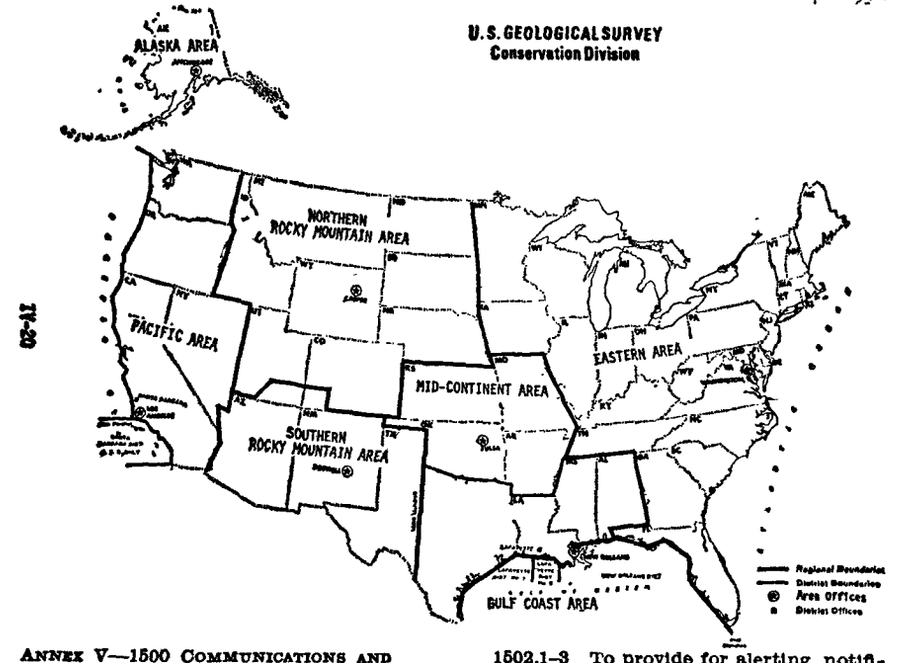


IV-13

U.S. AIR FORCE RESERVE REGIONS



IV-15



ANNEX V—1500 COMMUNICATIONS AND REPORTS

1501 Purpose.

1501.1 The communications concerning an oil or hazardous substance discharge are an integral and significant part of the operations. The same precepts govern in these instances as do other operations in which the USCG, EPA and other operating agencies are involved.

1502 Objectives.

1502.1 The objectives of the communications and reports are:

1502.1–1 To speed the flow of information pertaining to pollution discharge;

1502.1–2 To relay advice, instructions and reports pertaining to pollution discharge; and

1502.1–3 To provide for alerting, notification, surveillance and warning of a pollution discharge.

1503 Communications procedures.

1503.1 Normal communication circuits of each Primary Agency shall be used to effectuate this Plan. The national and district or regional offices and telephone numbers of primary alerting and notification offices of interested agencies will be maintained in NRC and as appropriate in RRC.

1503.2 The initial reporting of a pollution discharge by agencies participating in this plan shall be in accordance with the information and format as described in the regional plans. Reports of medium or major discharge received from dischargers or the general public by the NRC shall be relayed by telephone to predesignated OSC, NRC shall evaluate incoming information and immediately advise OEP Disaster Programs Office of potential disaster situations.

1503.3 POLREPS (Pollution Reports) shall be submitted by RRT to NRT in a timely manner as developments occur and at 0800 and 2000 local time on each day of the operation.

1504 Pollution reports.

1504.1 Within 60 days after the conclusion of Federal removal action resulting from a major pollution discharge, the OSC shall submit a complete report of the response operation and the actions taken. Copies will be furnished to the NRT or RRT, as appropriate, together with any other pertinent information available to the forwarding group. The NRT shall then evaluate each situation and will make appropriate recommendations.

1504.2 The report required by 1504.1 above shall include:

1504.2–1 Description of the cause and initial situation;

1504.2–2 Organization of response action and resources committed;

1504.2–3 Effectiveness of response and removal actions by:

a. The discharger;

b. State and local forces;

c. Federal Agencies and Special Forces;

1504.2–4 Unique problems encountered;

1504.2–5 Recommendations on:

a. Means to prevent reoccurrence;

b. Improvement of response actions;

c. Changes in National or Regional Contingency plans to improve.

ANNEX VI—1600 PUBLIC INFORMATION

1601 Introduction.

1601.1 When a major pollution discharge occurs, it is imperative that the public be provided promptly with accurate information on the nature of the discharge and what steps are being taken to correct the problem. This policy must be followed to obtain understanding from the public, ensure cooperation for all interested parties and to check the spread of misinformation. National Administration Policy and the Freedom of Information Act both call for maximum disclosure of information.

1602 National News Office.

1602.1 When the NRT is activated, the team chairman will contact the most appropriate Primary Agency and ask it to detail a professional information officer to establish and direct a National News Office. Requests by the Director of the National News Office for an appropriate number of professional and clerical assistants will be met by one or more of the Primary Agencies.

1602.2 The Director of the National News Office will be responsible for overall supervision of public information activities. While the Director of the Regional News Office will have considerable freedom in responding to news inquiries, he will work under the direction of the Director of the National News Office. The closest possible coordination will be maintained between the National News Office in Washington and the Regional News Office.

1602.3 Promptly after his designation, the Director of the National News Office will contact the White House Press Office and the Office of the Director of Communications for the Federal Government to arrange whatever information assistance may be required by these offices.

1602.4 All written news releases involving major policy considerations will be cleared by the Chairman of the NRT or in his absence the vice-chairman. Situation reports and other factual releases will not require formal clearance.

1602.5 The Director of the National News Office will have free access to meetings of the NRT and will be consulted on the possible public reaction to the courses of action under consideration by the NRT.

1602.6 At appropriate intervals the Director of the National News Office may arrange news conferences at which the Chairman of the NRT, the OSC or other informed officials will make progress reports and respond to questions from the media representatives.

1602.7 The Director of the National News Office will keep appropriate press offices posted on developments. These include the press offices of the Secretaries or Director of the Primary Agencies to the National Contingency Plan; Governors, Senators and Representatives whose States or Districts are affected by the incident; and, the mayor and other responsible local officials in affected communities.

1602.8 As long as public interest warrants, at least one written news release or status report per day will be issued by the National News Office and the Regional News Office reporting progress.

1602.9 The National News Office will be provided with adequate space, telephones, typewriters, communications equipment and other supplies by the U.S. Coast Guard at U.S. Coast Guard headquarters, Washington, D.C., where the NRC is housed. The Director of the National News Office will determine what equipment and supplies are needed to ensure an orderly flow of information and to accommodate visiting members of the news media.

1603 Regional News Office.

1603.1 When an RRT is activated, the Chairman will contact the most appropriate agency and ask it to detail a professional public information officer to establish and direct a Regional News Office. Any primary Agency may by request to the RRT, place its designated representative on the staff of the Regional News office to advise and assist the Director. The Regional News Office should be set up at or near the location where the OSC is stationed. Requests by the Director of the Regional News Office for appropriate professional and clerical assistance will be met by one or more of the primary agencies.

1603.2 The Director of the Regional News Office will follow the procedures outlined above for the Director of National News Office in contacting the press offices of State and local officials, in arranging appropriate public information liaison with industries and other concerned interests, and in issuing at least one daily written news release.

1603.3 All news releases involving major policy considerations will be cleared by the Chairman of the RRT.

1603.4 The Director of the Regional News Office will have free access to meetings of the RRT and should be consulted on the possible public reaction to the courses of action under consideration by the RRT.

1603.5 The Regional News Office will be provided with adequate space, telephones, typewriters, communications equipment and other supplies by the Primary Agency which is providing the RRC. The Director of the Regional News Office will determine what equipment and supplies are needed to ensure an orderly flow of information and to accommodate visiting members of the news media.

1604 Washington, D.C., public information contact.

1604.1 If the NRT has not been activated, the Director of the Regional News Office will ask the most appropriate Primary Agency to assign a public information officer in Washington, D.C., to serve as a contact point for queries made in Washington, D.C. The information officer assigned to this task will follow the procedures outlined above for the Director of the National News Office in contacting the press offices of the White House and Congressional and Federal officials.

1605 Interim Public Information Director.

1605.1 In the period following a discharge and before the need for a Federal response is determined, information activities will be directed by the public information personnel of the same Primary Agency which will provide the predesignated OSC. These activities will be conducted in accordance with the information policies of that agency.

1606 Special public information procedures for Senators, Representatives, Congressional Aides and Staff Members, White House Representatives and other VIP's.

1606.1 The Director of the National News Office or the Director of the Regional News Office will arrange, on request, to perform special public information services for VIP's including: notifying the media of the time, place and purpose of the VIP visits; making press conference arrangements; and, arranging for interviews with the VIP by interested members of the media.

1607 Special public information procedures for salesmen.

1607.1 Public information officers assigned to pollution emergencies will refer salesmen to technical personnel designated to evaluate their wares.

1608 Special public information procedures for the general public.

1608.1 In responding to queries from the general public, public information officers will advise the callers or arrange to have the callers advised on what the latest press release has reported.

1609 Special public information procedures—correspondence.

1609.1 After the crisis has subsided, a model letter reporting on the situation will be drafted by the public information personnel assigned to the problem. After the model letter has been approved by the Chairman of the NRT or the RRT, copies will be sent to the Primary Agencies for their guidance in responding to mail inquiries.

ANNEX VII

1700 LEGAL AUTHORITIES

1700.1 Federal Statutes, Regulations and Administration orders relative to oil pollution control are administered by several Departments and Agencies. The following is a tabular summation of the more important of these legal authorities.

1710 Federal Oil Pollution Control Statutes

	STATUTES	OPERATING AGENCIES INVOLVED	PROHIBITED ACT OR AUTHORIZATION	TERRITORIAL APPLICATION	SANCTIONS	EXCEPTED DISCHARGES
1711	Refuse Act 1899 (33 U.S.C. 407 et seq.)	1.CORPS 2.U.S.C.G. 3.Customs 4.JUSTICE	To discharge from ship, . . . (foreign & domestic) or from shore or water front facility, any refuse matter of any kind or description (even commercially valuable petroleum).	1.U.S.navigable waters (USNW) 2.Tributaries, if refuse floats or washes into USNW. 3.On banks, if likely to be washed into USNW.	1.$500.00 - $2500.00; 30 days to 1 yr. or both 2.Vessel liable "in rem" for penalties.	"sewage" flowing from streets and sewers.
	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *
1712	Federal Water Pollution Control Act, as amended. (33 U.S.C. 1151 et seq.)	1.EPA 2.DOT 3.CORPS 4.Customs 5.JUSTICE	Discharge, in harmful quantities, of oil or hazardous substances to the waters of the U.S. Effluent Standards, National Standards of Performance, Water Quality Standards.	U.S. waters or adjoining shorelines or the waters of the contiguous zone.	1.Failure to report prohibited discharge:(a)fine up to $10K or (b) imprisonment for up to one year. 2.Prohibited discharge of oil or hazardous substance-civil penalty, 5K. 3.Violation of regulations-5K. 4.Removal liability costs: (a)vessel $14M or $100/grt; (b)onshore or offshore facility, $8M.	1.As allowed by regulations, standards or permits. 2.In the contiguous zone as permitted by the 54 Convention, as amended in 1969.
	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *
1713	Oil Pollution Act 1961, as amended, (33 U.S.C. 1001-1015)implements International Convention on Prevention of Pollution of Sea by Oil.	1.U.S.C.G. 2.Customs 3.CORPS 4.JUSTICE 5.State	1.Any discharge or escape of persistent oil from vessels subject to Act, i.e., all U.S. seagoing vessels including tankers (whose tanks carry only oil). Except:(a)Tankers under 150 gross tons; (b)Other vessels under 500 gross tons; (c)Vessels on whaling operations;	1.Prohibited zone: (a)measured from baseline from which territorial sea is established; (b)Generally extends 50 miles to sea; (c)Extends 100 miles to sea off Northeast Coast of U.S.; (d)Extends out 100 miles to sea off West Coast of Canada; and (e)Modifications published in Notices to Mariners.	1.Penalty: (a)$500.00 to $2500.00 or 1 yr. or both-any person or company; (b)Ship other than one owned & operated by U.S. liable "in rem" for above penalty, and (c)Suspension or revocation of license.	1.Discharges: (a)To secure safety of ship, cargo or life at sea; (b)Due to damage to vessel or unavoidable leakage, if all reasonable precautions taken after damage occurred

		(d)Vessels while using Great Lakes & tributaries; and, (e)Naval vessels and auxiliaries. 2.Any discharge of oil from vessel subject to Act, of 20,000 or plus gross tons, whose bldg. contract executed on or after May 18, 1967; 3.Vessels, subject to Act, which are tankers or use oil fuel must keep Oil Record Book with entries of certain discharges or escapes of oils. 4.Forward to State Dept. evidence of discharge or escape from foreign vesl.	2.Unlimited-Except if in Master's opinion special circumstances make it neither reasonable nor practicable to retain oil on board, discharge, outside prohibited zone is permitted. 3.Penalties re. Oil Record Book: (a)Person failing to comply - fine of from $100.00 to $1,000.00; (b)Person making false entry (i)fine - $500.00 to $1,000.00, (ii)imprisonment for 6 mos. or both. *.Prohibited zone (No. 1 above).		or leakage discovered; (c)Of residue from fuel or lube oil purification or clarification as far from land as possible; (d)Oily mixtures from bilges containing only lube oil drained or leaked from machinery spaces; and (e)Vessels, other than tanker, proceeding to a port with inadequate reception facilities.
	* * * *	* * * *	* * * *	* * * *	* * * *

2-11A

1720 Related Federal Statutes

	STATUTES	ADMINISTRATIVE AUTHORITY	AUTHORIZED ACTION	TERRITORIAL CONSIDERATIONS
1721	U.S.Navy Ship Salvage Authority (10 U.S.C. 7361)	Secretary of Navy (U.S. Navy Ship System Command, Supervisor of Salvage)	1.To salvage, by contract or otherwise: (a)U.S. Naval vessels; (b)Private vessel (foreign or domestic) subject to availability of salvage forces; and, (i)If not abandoned nor under governmental control nor other salvage facilities reasonably available & competent private authority requests help, i.e., ship's master, owner, or underwriter. (ii)If abandoned or under control of U.S.C.G.,FWPCA, Corps of Engineers, Office of Emergency Preparedness, or Federal Court - competent requesting agency becomes customer.	1.(a) for U.S. Naval vessels - Navy has direct responsibility anywhere; (b)for private vessels (i)U.S. navigable waters and high seas. (ii)U.S. navigable waters U.S. territorial waters and those within the authority of requesting government agency by law or treaty.
	* * * *	* * * *	* * * *	* * * *
1722	Outer Continental Shelf Land Act of 1953 (43 U.S.C. 1331-1343)	Secretary of the Interior (a) Bur. of Land Mgmt. (b) U.S.G.S. Secretary of Transportation (a) U.S.C.G.	1.To regulate leases for exploitation of Shelf lands, terms and conditions calculated to prevent pollution in offshore oil or mining operations. Regulations provide that lessee shall not pollute; shall take certain preventive actions and if pollution occurs, lessee shall make appropriate notifications and shall be liable for cleanup.	1.U.S. Continental Shelf Lands.
	* * * *	* * * * *	* * * * *	* * * * *
1723	Disaster Relief Act of 1974 88 Stat. 143	The President Administrator, Federal Disaster Assistance Administration E.O. 11575, Dec. 31, 1970	1. To declare an emergency or a major disaster at the request of a governor of a State. 2. If declared, to direct Federal agencies to assist by: (a) Utilizing or lending, with or without compensation therefor, to States and local governments, their equipment, supplies, facilities, personnel, and other resources, other than the extension of credit under the authority of any Act; (b) Performing on public or private lands or waters any emergency work or services essential to save lives and to protect and preserve property, public health and safety, including but not limited to: search and rescue, emergency medical care, emergency mass care, emergency shelter, and provision of food, water, medicine, and other essential needs, including movement of supplies or persons; clearance of roads and construction of temporary bridges necessary to the performance of emergency tasks and essential community services; provision of temporary facilities for schools and other essential community services; demolition of unsafe structures that endanger the public; warning of further risks and hazards; public information and assistance on health and safety measures; technical advice to State and local governments on disaster management and control; reduction of immediate threats to life, property, and public health and safety; and making contributions to State or local governments for the purpose of carrying out the provisions of this paragraph.	(1) Major disaster areas (States) as declared by the President and area designated by the FDAA Administrator. (2) Emergency areas as determined by FDAA Administrator. (3) U.S., its territories and possessions.
1724	14 U.S.C. 81 et seq.	U.S.C.G.	1.To aid distressed persons & protect property. Sec. 88(b) in USNW and on the high seas. 2.To establish, maintain & operate aids to maritime navigation in USNW, waters above the U.S. continental shelf and other specified areas. 3.To mark for protection of navigation any wreck in USNW (Sec. 86) not properly marked by owner (33 U.S.C. 409)	
	* * * *	* * * * *	* * * * *	* * * * *
1725	14 U.S.C. 141(a)	U.S.C.G.	1.On request may use personnel & facilities to assist any government agency to perform any activity for which such personnel are especially qualified.	1. Limited only by international law re. Territorial waters.
	* * * *	* * * * *	* * * * *	* * * * *
1726	Magnuson Act (50 U.S.C. 191)	Designated U.S.C.G. Officers (33 CFR 6) when directed by Executive Order (presently implemented by E.O. 10173 as amended)	1.Prevent anything from being placed on board any vessel or waterfront facility as defined in 33 CFR 6.01-4, when necessary to prevent damage to U.S. waters. 2.Establish security zones into which no person or vessel may enter or take anything. 3.Control vessel movement & take full or partial possession or control of any vessel when necessary to prevent danger to U.S. waters. 4.Prevent mooring to or connel shifting of any vessel from waterfront facility if it endangers such vessel, other vessels, harbor, any facility therein because conditions exist in or about waterfront - not limited to fire hazards	1. U.S. Territorial waters

1727	Dangerous Cargo Act (46 USC 170)	U.S.C.G.	1. Authority to establish regulations for handling, stowage, storage and use of dangerous articles or substances on board vessels. 2. Authority to establish regulations for disposing of dangerous articles or substances found to be in an unsafe condition.	U.S. Territorial Waters.
	* * * * *	* * * * *	* * * * *	* * * * *
1728	Tank Vessel Act (46 USC 391a)	U.S.C.G.	1. Authority to establish additional rules for provision against hazards of life and property created by vessels having on board inflammable or combustible liquid cargo in bulk.	U.S. Territorial Waters.
	* * * * *	* * * * *	* * * * *	* * * * *
1729	Ports & Waterways Safety Act of 1972 (PL 92-340)	U.S.C.G. SLSDC	1. Authority to operate vessel traffic services, direct vessel movement, prescribe safety equipment requirements, establish safety zones, investigate accidents that affect environmental quality of the navigable waters and regulate vessels carrying hazardous substances in bulk.	U.S. Territorial Waters (excludes waters of Panama Canal for Title I)
	* * * * *	* * * * *	* * * * *	* * * * *

VII-4

1750 Treaties and International Conventions

	TITLE	PARTIES	SUBSTANCE OF AGREEMENT	TERRITORIAL APPLICATION
1751	Treaty re, Reciprocal Rights in Conveyance of Prisoners and Wrecking & Salvage (35 Stat. 2035, TS 502)	U.S. - Great Britain signed for Canada (1908)	1. Vessels & wrecking equipment of U.S. or Canada permitted to salvage wrecks, render aid to vessels in distress or disabled across the international boundary line.	1. In portion of St. Lawrence River through which boundary line passes. 2. Lakes Ontario, Erie, St. Clair, Huron, Superior. 3. Niagara, Detroit, St. Clair & Ste. Marie River. 4. Canals at Sault Ste. Marie. 5. Shores & territorial waters on Pacific & Atlantic within 30 miles of boundary line.
	* * * * *	* * * * *	* * * * *	* * * * *
1752	Boundary Waters Treaty (35 Stat. 2448, TS 548)	U.S. - Great Britain signed for Canada (1909)	1. Established International Joint Commission with jurisdiction over all cases re. use, obstruction or diversion of waters including water pollution. No mechanism for enforcement directly by Commission findings & recommendations reported to respective governments for enforcement action within its territorial limits.	1 U.S - Canadian boundary waters.
	* * * * *	* * * * *	* * * * *	* * * * *
1753	Treaty to Facilitate Assistance to & Salvage of Vessels in Territorial Waters (49 Stat. 3359, TS 905)	U.S. - Mexico (1936)	1. Vessels & rescue apparatus, public & private, may aid vessels and crew of its own nationality, when disabled or in distress. 2. Captain, master or owner of rescue vessel of either country must notify that country when entering or intending to enter territorial waters of the other country as early as possible and may freely proceed with rescue unless advised by the other country that adequate assistance is available or for any other reason rescue is not necessary.	1. On shores or within territorial waters of the other nation - (a)Within 720 mile radius of intersection of international boundary line & Pacific Coast or (b)within 200 miles radius of intersection of international boundary line & coast of Gulf of Mexico.
1754	Convention of High Seas (1958) TIAS 5200) (13 U.S.T. 2312)	U.S.(1962)-Denmark, Finland, Italy, Japan, Mexico, Netherlands, U.K., USSR, inter alia.	1. Article XXIV - Member nations responsible for drafting regulations to prevent pollution of seas by oil. 2. Article XXV - same for radioactive wastes & other harmful agents by vessels under its control.	High Sea
	* * * * *	* * * * *	* * * * *	* * * * *
1755	Geneva Convention on Territorial Sea & Contiguous Zone (1958) (15 U.S.T 1606) (TIAS 5639)	U.S. (1964)-Denmark, Finland, Italy, Japan, Netherlands, U.K., USSR, inter alia.	1. To exercise necessary controls to prevent infringement of nations sanitary regulations within its territory or territorial sea.	1. Not to exceed 12 miles outward from the baseline from which the territorial sea is measured.*
	* * * * *	* * * * *	* * * * *	* * * * *
1756	Convention on Continental Shelf (1958) (TIAS 5578) (15 U.S.T. 471)	U.S. (1964)-Denmark, Finland, France, Mexico, Netherlands, U.K., USSR, inter alia.	Coastal government has: exclusive & sovereign right to explore and exploit natural resources of the Shelf as long as it does not unjustifiably interfere with navigation, fishing or conservation of living sea resources nor with fundamental oceanographic or other scientific research destined for onen publication.	U.S. Continental Shelf - 200 meter isobath curve contiguous to land or to a depth that admits of the exploitation of said area.
	* * * * *	* * * * *	* * * * *	* * * * *
1757	Convention for Prevention of Pollution by Sea by Oil, (1954) (12 U.S.T. 2989; (1962) amended 17 U.S.T. 1523)	U.S. (1961)-Belgium, Denmark, Finland, France, West Germany, Greece, Italy, Japan, Liberia, Mexico, Netherlands, Nigeria, Norway, Panama, Spain, Sweden, U.K., inter alia.	1. To prevent discharge or escape of oily substances by sea-going vessels - See Oil Pollution Act of 1961 as amended in 1966 for U.S. implementation. (33 U.S.C. 1001-1015) (Note: Oily substance is defined as persistent oil) 2. Maintenance of Oil Record Book.	1. Prohibited zone: All seas within 50 miles from nearest land (baseline from which territorial sea is established) and other areas as defined in the convention.

VII-5

ANNEX VIII—1800 DOCUMENTATION AND COST RECOVERY

1801 Introduction.

1801.1 The OSC in charge at the scene of a discharge may be from any one of several agencies; it is necessary, therefore, to establish uniform procedures for collection of samples and information consistent with the several phases in Federal response operations. Necessary information and sample collection must be performed at the proper times during the Federal involvement in removal operations for the purpose of later use in identifying the party responsible for removal cost recovery. Time is of great importance since wind, tide and current may disperse or remove the evidence. Additionally, witnesses may no longer be available. Thus, during the response phases, the OSC must take the necessary action to ensure that information, records, and samples adequate for legal and research purposes are obtained and safeguarded for future use. Additional guidance can be found in EPA's "Field Detection and Damage Assessment Handbook".

1802 Notification of Counsel.

1802.1 Immediately upon notification that a discharge has occurred, the RRT or MRT members, as appropriate, shall notify their respective regional and departmental attorneys, as provided herein and as detailed in regional plans.

1802.2 *Coordination of appropriate counsel* will be effected by counsel of the Department responsible for furnishing the OSC. Coordination will be for joint and several actions concerning legal matters regarding the operation and the Plan and for advising the owner or operator that a determination has been made under subsection 311(c)(1) of the Act that removal is not being properly accomplished.

1802.3 The information and reports obtained by the OSC are to be transmitted to the RRC. Copies will then be forwarded to the NRC, members of the RRT, and others, as appropriate. The representative of the Agency on the RRT having cost recovery authority will then refer copies of the pollution reports to his respective agency counsel.

1803 Legal notice to suspected discharger.

1803.1 The owner, operator, or other appropriate responsible person shall be notified of Federal interest and potential action in a pollution discharge by the agency furnishing the OSC. This notice shall include advice of the owner or operator's liability for proper removal of the discharge in accordance with section 311(f) of the Act; the need to perform removal in accordance with existing Federal and State statutes and regulations, and this Plan; and identification of the OSC.

1804 Sample collection procedures to be followed by OSC.

1804.1 Several precautions must be observed when taking and handling liquid samples for analyses as the character of the sample may be affected by a number of common conditions. These precautions concern the following: (a) The composition of the container; (b) cleanliness of the container; and, (c) manner in which the sample is taken.

1804.2 In taking such samples, the following procedures are to be followed in all cases:

1804.2-1 Glass or other appropriate containers of suitable size shall be used. The portion of the closure (sealing gasket or cap liner) which may come into contact with the sample in the container is of considerable importance. When oil or petroleum hydrocarbons are to be sampled, the closure should be made of glass, aluminum foil, or teflon. Pollutants other than oil may require special precautions such as jacketing of glass containers or different closure material. The analysis laboratory should be consulted whenever a question arises as to the appropriateness of any packaging material.

1804.2-2 Previously unused containers are preferred. Containers that have been cleaned with a strong detergent, thoroughly rinsed and dried may be used.

1804.2-3 Some explanatory notes covering the above procedures are as follows: (a) Glass or other appropriate containers always must be used because plastic containers, with the exception of teflon, have been found in some cases to absorb organic materials from water and, in other cases, compounds have been dissolved from plastic containers; (b) as it is desirable to take a large sample of the pollutant, proper skimming techniques should be used to obtain a sufficient amount of oil for analysis; and, (c) because pollution conditions change rapidly, samples should be taken promptly, and the time sequences and locations noted.

1804.2-4 Consult with the analysis laboratory personnel relative to special samples and unusual problems.

1804.2-5 Samples collected are to be transmitted for analysis, using special courier or registered mail (return receipt requested) and observing the procedures outlined below. Appropriate analytical laboratories are designated in the regional plan. Reports of laboratory analysis will be forwarded to the appropriate RRT for transmittal to counsel.

1805 Photographic records.

1805.1 Photographs should be taken to show the source and the extent of pollution, if possible, using both color and black and white film. The following information should be recorded on the back of each photographic print: (a) Name and location of vessel or facility; (b) date and time the photo was taken; (c) names of the photographer and witnesses; (d) shutter speed and lens opening; and (e) type of film used and details of film processing. (The immediate developing type of photographic process may be of major assistance to the less-than-professional photographer by allowing on-the-spot inspection of results and "retakes" as needed to obtain an acceptable photograph.)

ANNEX IX—1900 FUNDING

1901 General.

1901.1 The primary thrust of this Plan is to encourage the person responsible for a discharge to take appropriate remedial actions promptly. Usually this will mean that the cost of removal of the discharge shall be borne by the person responsible for the discharge. The OSC and other officials associated with the handling of a pollution emergency shall make a substantial effort to have the discharger voluntarily accept this responsibility.

1901.2 If the discharger does not voluntarily act promptly to remove the discharge of oil or hazardous substances, Federal discharge removal actions may be initiated pursuant to section 311(c)(1) of the Act. The discharger, if known, is liable for the reasonable costs of such Federal removal actions in accordance with section 311(f) of the Act.

1901.3 *Actions undertaken by the Primary Agencies* in response to pollution emergencies shall be carried out under existing programs and authorities insofar as practicable.

1901.4 It is not envisioned that any Federal agency will make resources available, expend funds or participate in operations in connection with pollution emergency operations unless such agency can so respond in conformance with its existing authority. Authority to expend resources will be in accordance with agencies' basic statutes and, if required, through cross-servicing agreements.

1901.5 This Plan encourages interagency agreements whenever specific reimbursement agreements between Federal agencies are deemed necessary to ensure that the Federal resources will be available for a timely response to a pollution emergency.

1902 Funding responsibility.

1902.1 The funding of removal actions necessitated by a discharge from a Federally operated or supervised facility is the responsibility of the operating or supervising agency.

1902.2 Funding of response actions not associated with the removal activity, such as scientific investigations, law enforcement or public relations, is the responsibility of the agency having statutory or executive responsibility for those specific actions.

1903 Agency funding.

1903.1 The Environmental Protection Agency can provide funds to insure timely initiation of discharge removal actions in those instances where the OSC is an EPA representative. Funding of continuing Phase III and IV actions, however, shall be determined on a case-by-case basis by the Oil and Special Materials Control Division at EPA. Inasmuch as EPA does not have funds provided for this purpose by statute or regulation, initiation of Phase III and IV activities is funded out of operating program funds.

1903.2 The U.S. Coast Guard pollution control efforts are funded under "Operating Expenses." These funds are utilized in accordance with agency directives and applicable regional plans.

1903.3 The Department of Defense has two specific sources of funds which may be applicable to a pollution incident under appropriate circumstances. (This does not consider military resources which might be made available under specific conditions.)

1903.3-1 Funds required for removal of a sunken vessel or similar obstruction to navigation are available to the Corps of Engineers through Civil Functions Appropriations, Operations and Maintenance, General.

1903.3-2 The U.S. Navy has funds available on a reimbursable basis to conduct salvage operations.

1904 Disaster relief funds.

1904.1 Certain pollution control emergency response activities may qualify for reimbursement as disaster relief functions. In making a declaration of a "major disaster or emergency" for a stricken area, the President may allocate funds from his Disaster Relief Fund, administered by the Administrator, Federal Disaster Assistance Administration. After the President has declared a "major disaster or emergency" and authorized allocation of funds, the Administrator may authorize certain reimbursements to Federal agencies for assistance provided under direction of his office. Applicable policies and procedures are stated in Title 24, Chapter XIII, Part 2201, "Reimbursement of Other Federal Agencies" under Pub. L. 91-606 (For use under Pub. L. 93-288 until revised).

1904.2 The Administrator, FDAA, may also make financial assistance available to State governments and through the States to local governments in accordance with policies and procedures stated in Title 24, Chapter XIII, Part 2205, "Federal Disaster Assistance".

1905 Pollution revolving fund.

1905.1 A pollution revolving fund, administered by the Commandant, USCG, has been established pursuant to subsection (k) of section 311 of the Act. Regulations governing the administration and use of the fund are contained in 33 CFR 153.

1905.2 Pursuant to section 311(c)(2)(H) of Public Law 92-500, the State or States affected by a discharge of oil or hazardous substance may act where necessary to remove such discharge and may, pursuant to regulations which the Commandant, USCG, may prescribe, be reimbursed from the fund for the reasonable costs incurred in such removal.

1905.2-1 Removal by a State is necessary when the OSC determines that the owner or operator of the vessel, onshore facility, or offshore facility from which the discharge occurs does not effect removal properly and that:

1905.2-1.1 State action is required to minimize or mitigate significant damage to the public health or welfare which Federal action cannot minimize or mitigate, or

1905.2-1.2 Removal or partial removal can be effected by the State at a cost which is not significantly greater than the cost which would be incurred by the Federal departments or agencies.

1905.2-2 Nothwithstanding the above, State removal actions are not necessary if not in compliance with Annex X of this Plan.

1905.2-3 State removal operations are considered to be Response Phase III or Response Phase IV actions to the extent that the same operations undertaken by a Federal agency would be so considered.

1905.2-4 When supervised by the State agency designated pursuant to § 1510.23(a) of this Plan, removal operations of a local government are considered to be actions of the State for purposes of this section.

1906 Obligations of funds.

1906.1 Care must be exercised to ensure that misunderstandings do not develop about reimbursement of funds expended for removal activities. The OSC should not knowingly request services for which reimbursement is mandatory unless reimbursement funds are known to be available. Similarly, the agency supplying a reimbursable service should determine the source of reimbursement before committing resources necessitating reimbursement.

1906.2 OSC shall exert adequate control of removal operations so that he can certify that reimbursement from the fund is appropriate.

1906.3 Detailed instructions on utilization of the fund are contained in USCG Comptroller Manual.

1907 Planning.

1907.1 The availability of funds and requirements for the reimbursement of expenditures by certain agencies must be included in resource utilization planning. Regional and subregional contingency plans should show what resources are available under what conditions and cost arrangements.

1907.2 Local interagency agreements may be necessary to specify when reimbursement is required.

ANNEX X—SCHEDULE OF CHEMICALS AND OTHER ADDITIVES TO REMOVE OIL AND HAZARDOUS SUBSTANCES DISCHARGES

2001 General.

2001.1 This Schedule has been prepared by the U.S. Environmental Protection Agency pursuant to section 1(2), Executive Order 11735 and applies to the waters of the United States and adjoining shorelines, and the waters of the contiguous zone.

2001.2 This Schedule applies to the use of any chemicals or other additives as hereinafter defined that may be used to remove oil and remove or neutralize hazardous substances discharges. Any chemical agent or other substance not specifically defined in this schedule will be considered by EPA on a case by case basis for use in the removal of oil and hazardous substances discharges.

2001.3 This Schedule advocates development and utilization of sorbents, skimmers, booms and other mechanical control methods to remove or mitigate oil and remove, mitigate, or neutralize hazardous substances discharges from the environment with subsequent proper disposal.

2001.4 It is the intent of this Schedule that no harmful quantities of any substances be applied to the waters to remove or mitigate the effects of oil or hazardous substances discharges.

2001.5 In implementing this schedule and in maintaining its relationship with other Federal and State agencies, EPA shall recognize that some States may have more stringent laws, regulations or written policies regulating the use of chemicals in the removal of oil and hazardous substance discharges, in which case such laws, regulations or policies shall govern.

2001.6 It has been determined that because of the overriding need for prompt intiation of discharge removal actions no formal permit, as provided for by section 402 of the Act, shall be required before application of chemicals to mitigate the effects of a discharge. The provisions of § 1510.2(g) of this Plan shall apply.

2002 Definitions. Materials applied to oil or floating hazardous substances discharges are defined as follows:

2002.1 Chemical Agents are those elements, compounds, or mixtures that disperse, dissolve, emulsify, neutralize, precipitate, reduce, solubilize, oxidize, concentrate, congeal, entrap, fix, gell, make the pollutant mass more rigid or viscous, or otherwise facilitate the mitigation of deleterious effects or removal of the pollutant from the water.

2002.2 Dispersing Agents are those chemical agents which emulsify, disperse, or solubilize oil into the water column or act to further the surface spreading of oil slicks in order to facilitate dispersal of the oil into the water column.

2002.3 Surface Collecting Agents are those chemical agents which are a surface film forming chemical for controlling oil layer thickness.

2002.4 Biological Agents are microbiological cultures, enzymes, or nutrient additives that are deliberately introduced into an oil or hazardous substance spill for the specific purpose of encouraging biodegradation to mitigate the effects of a spill.

2002.5 Burning Agents are those materials which, through physical or chemical means, improve the combustibility of the materials to which they are applied.

2002.6 Sinking Agents are those materials which are applied to oil and hazardous substance spills to sink floating pollutants below the water surface.

2002.7 Mechanical removal methods include the use of pumps, skimmers, booms, earthmoving equipment, and other mechanical devices.

2002.8 Sorbents are essentially inert and insoluble materials which are used to remove oil and hazardous substances from water through a variety of sorption mechanisms. Examples include: straw, expanded perlite, polyurethane foams, reclaimed paper fibers, peat moss.

2003 Dispersing agent program for spills of oil and applicable hazardous substances.

2003.1 Authorization for use of dispersing agents.

2003.1-10 Major and medium discharges. Dispersing agents may be used in any place, at any time, and in quantities designated by the OSC when their use will:

2003.1-1. In the judgment of the OSC, prevent or substantially reduce hazard to human life or limb or substantially reduce explosion or fire hazard to property;

2003.1-1.2 In the judgment of the EPA RRT member on a case by case basis, in consultation with appropriate State or Federal agencies, prevent or reduce substantial hazard to a major segment of the population(s) of vulnerable species of waterfowl; or,

2003.1-1.3 In the judgment of the EPA RRT member on a case by case basis, in consultation, whenever possible, with appropriate State and Federal agencies, result in the least overall environmental damage, or interference with designated water uses.

2003.1-2 Minor discharge. The provisions of section 203.1-1.1 shall apply.

2003.2 Special restrictions on dispersing agent use:

2003.2-1 Chemical agents shall not be considered for use as dispersing agents unless technical product data has been provided and accepted in accordance with 2003.3 except when in the judgment of the On-Scene Coordinator the hazards discussed in 2003.1-1.1 are so imminent that the time delay for obtaining a dispersant agent that is in compliance with 2003.3 would be excessive.

2003.2-2 Federal officials responsible for oil and hazardous substance spill response activities at all levels shall develop effective programs to insure that dispersants that are available for use in appropriate spill response actions are dispersants with adequate technical data on file with EPA. This effort will help preclude the avoidance of the EPA technical data program by manufacturers or suppliers who might wish to take advantage of the emergency conditions provisions of 2003.2-1.

2003.2-3 For all situations where dispersants are used, accurate records shall be kept on dispersant types, brands, application rates and methods, effectiveness, environmental impacts, plus any other pertinent observations.

2003.3 Technical product data for dispersing agents.

2003.3-1 Technical product data as outlined in 2003.3-4 on the physical, chemical and toxicity characteristics of a dispersing agent shall be submitted to the Division of Oil and Special Materials Control (WH-488), Environmental Protection Agency, Washington, D.C. 20460, at least 60 days prior to the use of the agent. Within 60 days of receipt of the data, EPA will inform in writing the submitter on the adequacy of the data provided. If additional information is requested or EPA desires to perform tests, the dispersing agent may not be considered for use until the additional needs have been satisfied and the submitter so notified.

2003.3-2 Information furnished in accordance with 2003.3-4 shall be maintained on file by the Environmental Protection Agency, Oil and Special Materials Control Division, Washington, D.C. 20460 to provide technical guidance to OSC's on the acceptable circumstances of use and dosage rates for dispersing agents. Any changes in the composition or formulation of the dispersing agent that will affect any of the data being requested in 2003.3-4 shall be immediately brought to the attention of EPA and testing of the agent will be repeated prior to the use of the revised dispersing agent.

2003.3-3 The acceptance and maintenance of product data by EPA does not constitute approval of the dispersing agent nor does it imply compliance with any EPA criteria or minimum standards for such agents. The OSC will determine which dispersing agent may be used for a spill event on a case by case basis using all available information in making such a decision. To avoid possible misinterpretation and misrepresentation of the EPA's role in this technical product data program, the manufacturer's representatives may use only the EPA letter

advising compliance with 2003.3–4 in any advertisements or technical literature on the dispersing agent. The EPA letter must be used in its entirety. Failure to comply with these restrictions or any other improper reference to EPA in attempting to demonstrate EPA approval of the dispersing agent for use on spills of oil or hazardous substances shall constitute grounds for removing the technical product data from EPA files which would preclude use of the dispersing agent except as noted in 2003.2–3 for imminent hazards.

2003.3–4 Required technical product data.

2003.3–4.1 Name, brand, or trademark, if any, under which the chemical agent is sold.

2003.3–4.2 Name, address and telephone number of the manufacturer, importer or vendor.

2003.3–4.3 Name, address and telephone number of primary distributors or sales outlets.

2003.3–4.4 Special handling and worker precautions for storage and field application. Maximum and minimum storage temperatures to include optimum ranges as well as temperatures that will cause phase separation, chemical changes or otherwise damage effectiveness of the chemical agent.

2003.3–4.5 Shelf life.

2003.3–4.6 Recommended application procedure(s), concentration(s) and conditions for use depending upon water salinity, water temperature and types and ages of the pollutants.

2003.3–4.7 Dispersant toxicity. Use standard toxicity test methods described in EPA Report "Standard Dispersant Effectiveness and Toxicity Test" (EPA R2–73–201, May 1973) pages 22–34. This report may be obtained from the Division of Oil and Special Materials Control (AW–448), EPA, Washington, D.C. 20460.

2003.3–4.8 Dispersant Effectiveness. Use standard effectiveness test methods in EPA R2–73–201, May 1973, pages 11–21.

2003.3–4.9 Flash Point—select appropriate method from the following:

ASTM D 56–70
ASTM D 92–72
ASTM D 93–72
ASTM D 1310–67

2003.3–4.10 Pour point. Use ASTM D 97–66.

2003.3–4.11 Viscosity. Use ASTM D 445–72.

2003.3–4.12 Specific gravity. Use ASTM D 1298–67.

2003.3–4.13 pH. Use ASTM D 1293–65.

2003.3–4.14 Ionic activity. Use Weatherburn Test as described below:

IONIC ACTIVITY TESTS (WEATHERBURN TEST)

Reagents:

1. Dye solution: 0.03 grams methylene blue, 12 grams concentrated sulfuric acid, 50 grams anhydrous sodium sulphate dissolved in water to make a total of one liter solution.

2. Anionic surfactant solution—0.05 percent Aerosol OT (Sodium dioctyl sulfo succinate).

3. Chloroform.

Procedure:

1. Into a 25 ml. test tube, place 8 ml. of dye solution and 5 ml. chloroform. Add anionic surfactants solution drop by drop, shaking vigorously between drops and allowing phases to separate. Continue adding dropwise until the two layers are equal in color and intensity viewed in reflected light. Usually 10 to 12 drops of anionic solution are required.

2. Now add 2 ml. of 0.1 percent solution of the unknown and shake vigorously.

Results:

1. Chloroform phase (lower) is deeper in color and aqueous phase is mostly colorless—anionic is positive.

2. Water phase (upper) is deeper in color than the chloroform phase—cationic is positive.

3. Both phases are more or less the same color—probably a nonionic.

4. If the aqueous phase has become milky and hence slightly lighter in color, it may still be nonionic. Soaps do not react in this procedure. If both anionics and nonionics are present, the reaction of this test will be anionic positive.

2003.3–4.15 Miscibility. Use the test described below which is a modification of military specification MIL–C–22230 (ships):

One part of the dispersing agent is mixed with 100 parts of synthetic sea water. The solution is agitated for one hour and any visible separation of the dispersing agent should be noted after this period of agitation. The test is to be performed with water temperatures at both 20 C and 0 C. The synthetic sea water shall be formulated as follows:

Sodium chloride	150.0	grams.
Magnesium chloride, hexahydrate	66.0	grams.
Calcium chloride dihydrate	9.6	grams.
Sodium sulfate anhydrous	24.0	grams.
Distilled water to make a total of	6.0	liters.

2003.3–4.16 Dispersing agent components. Itemize by chemical name and percentage by weight of each component of the total formulation. The percentages will include maximum, minimum and average weights in order to reflect quality control variations in manufacture or formulations. At least the following major components shall be identified in complying with 2003.3–4.16.

(a) Surface active agents
(b) Solvents.
(c) Additives.

If requested by the submitter, information from 2003.3–4.16 will be handled as trade secrets under provisions of Pub. L. 90–23, the Administrative Procedure Act.

2003.3–4.17 Heavy metals and chlorinated hydrocarbons. Using reliable analytical chemistry techniques, state the concentrations or upper limits of the following materials:

Arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc, plus any other metals that may be reasonably expected to be in the sample. Atomic absorption methods should be used and the detailed analytical methods and sample preparation shall be fully described;

Cyanide using standard colorimetric procedures;

Chlorinated hydrocarbons. Gas chromatography should be used and the detailed analytical methods and sample preparation shall be fully described.

2003.3–5 Analytical Laboratory Requirements for Technical Product Data:

2003.3–5.1 The required tests shall be performed by a qualified laboratory.

2003.3–5.2 The technical product data submission shall include the identity of the laboratory, the qualifications of the laboratory staff including professional biographical information for individuals responsible for any tests, and laboratory experience with similar tests. Laboratories performing bioassay tests for dispersant or surface collecting agent toxicity must demonstrate previous biossay experience in order for their results to be accepted. EPA will not approve the selection of laboratories by intended submitters of technical product data prior to submission of the data. It is the responsibility of the submitter to select component analytical laboratories based on the guidelines contained herein.

2003.3–5.3 EPA reserves the right to refuse to accept a submission of technical product data because of lack of qualifications of analytical laboratory, significant variance between submitted data and any laboratory confirmation performed by EPA, or other circumstances that will result in inadequate or inaccurate environmental information on the dispersing agent.

2004 Surface collecting agent program for spills of oil and applicable hazardous substances.

2004.1–1 Authorization for use of surface collecting agents: Major, medium and minor discharges.

The OSC may authorize use of surface collecting agents on a case-by-case basis when their use will:

2004.1–1.1 Result in the least overall environmental damage or interference with designated water uses, and

2004.1–1.2 Provide a key element in the most effective system for removing oil or hazardous substances discharges from the water environment.

2004.1–2 Mechanism for authorizing use—The OSC may authorize the use of a surface collecting agent verbally when on scene or by telephone prior to arriving on scene. In all cases, the OSC is obligated to comply with the provisions of 2004.2 prior to making such authorization. A review of the capabilities and expertise of the owner or operator or cleanup contractor prior to the occurrence of the spill incident would be most beneficial in situations where telephone authorization is desired or contemplated.

2004.2 Restrictions on surface collecting agent use.

2004.2–1 The OSC may authorize the use of surface collecting agents only after being informed of the environmental conditions at the point of intended use. These environmental conditions include air and water temperatures, wind conditions, wave and current conditions, presence and relative density of debris and other floating matter on the water, type and condition of the oil or hazardous substance spilled, special biological factors such as waterfowl sanctuaries, wildlife refuges, spawning or nursery grounds, shellfish beds, swamp areas, etc., and the availability of removal equipment that could be employed to remove the collected material from the water. Information on environmental conditions should be evaluated by the OSC from the standpoint that conditions such as strong winds, choppy waters, low temperatures, debris, and aquatic vegetation can adversely affect the performance of collecting agents or complicate further removal operations. The performance can also vary with types of oils or hazardous substances. The agents can be effective with thin films of light oils but have little value with thick layers of heavy, viscous oils. The agents should not be used unless adequate removal equipment is available to remove the collected oil.

2004.2–2 A chemical agent shall not be used as a surface collecting agent unless the provisions of 2004.3 are complied with and EPA has informed the manufacturer's representative that the product is acceptable for use as a surface collecting agent.

2004.3 Technical product data for surface collecting agents.

2004.3–1 Technical product data as specified in 2004.3–4 shall be provided to the Oil and Special Materials Control Division (WH–448), EPA, Washington, D.C. 20460, at least 60 days prior to the use of the agent. The use of existing surface collecting agents may be authorized by the OSC without complying with 2004.3 for 120 days from the effective date of this Annex. Within 60 days of receipt of the data, EPA will inform, in writing, the submitter of the adequacy of the data submitted. If additional data are requested or EPA desires to perform additional tests, the surface collecting agent may not be used until these additional needs

have been satisfied and the submitter so notified.

2004.3–2 Information furnished in accordance with 2004.3–4 shall be maintained on file by the EPA, Oil and Special Materials Control Division, Washington, D.C. 20460, to provide technical guidance to OSC's on the acceptable circumstances of use, dosage rates and special problems in the use of surface collecting agent. Any changes in the composition or formulation of the surface collecting agent that will affect any of the data requested in 2004.3 shall be immediately brought to the attention of EPA and testing of the agent will be repeated prior to the use of the revised formulation of the surface collecting agent.

2004.3–3 EPA will review technical product data for surface collecting agents and will issue approvals for agents meeting certain criteria. At present, the only minimum criterion established is for solubility which is described in 2004.3–4.13. This criterion classifies the substance as a surface collecting agent but is not an indication of the effectiveness or toxicity of the material. Other product data such as toxicity, chemical components, and physical characteristics will be reviewed and, if the combined effects of this data and other factors will result in excessive hazard to the aquatic life, work safety, or other elements of the environment in the judgment of EPA, EPA may refuse to approve the use of the agent.

EPA may, from time to time, establish minimum criteria for the data being requested and may also require additional data to assist in arriving at a judgment on the environmental acceptability of collecting agent usage.

To avoid possible misinterpretation and misrepresentation of the EPA's role in the surface collecting agent technical product data program, the manufacturer's representatives may use only the EPA letter advising compliance with 2004.3–4 in any advertisements or technical literature on the collecting agent. The EPA letter must be used in its entirety. Failure to comply with these restrictions or any other improper reference to EPA in attempting to demonstrate EPA approval of the surface collecting agent beyond that stated in the letter for use on spills of oil or hazardous substances shall constitute grounds for removing the technical product data from EPA files which would preclude use of the surface collecting agent.

2004.3–4 Required technical product data.

2004.3–4.1 Name, brand, or trademark, if any, under which the surface collecting agent is sold.

2004.3–4.2 Name, address and telephone number of the manufacturer, importer or vendor.

2004.3–4.3 Name, address and telephone number of primary distributers or sales outlets.

2004.3–4.4 Special handling and worker precautions for storage and field application. Maximum and minimum storage temperatures to include optimum ranges as well as temperatures that will cause phase separation, chemical changes, or otherwise damage effectiveness of the surface collecting agent.

2004.3–4.5 Sheif life.

2004.3–4.6 Recommended application procedure(s), concentration(s) and conditions for use depending upon water salinity, water temperature and types and ages of the pollutants.

2004.3–4.7 Surface collecting agent toxicity. Use standard toxicity test methods described in EPA Report "Standard Dispersant Effectiveness and Toxicity Test" (EPA R2–73–201, May 1973) pages 22–34. This report may be obtained from the Division of Oil and Special Materials Control (WH–448), EPA, Washington, D.C. 20460.

2004.3–4.8 Flash point. Select appropriate method from the following:

ASTM D 56–70
ASTM D 92–72
ASTM D 93–72
ASTM D 1310–67

2004.3–4.9 Pour Point. Use ASTM D 97–66.

2004.3–4.10 Viscosity. Use ASTM D 445–72.

2004.3–4.11 Specific gravity. Use ASTM D 1298–67.

2004.3–4.12 pH. Use ASTM D 1293–65.

2004.3–4.13 Interim test to distinguish between surface collecting agents and other spill cleanup chemicals.

In order to distinguish between surface collecting agents and other chemical materials, this interim test procedure was developed. This test procedure is not an efficiency test. This test is to be used only to distinguish between surface collecting agents and dispersants.

Scope.—1. Procedure to be used to determine the solubility in water under standard conditions of oil spill control chemicals.

Method summary.—2. Five (5) milliliters of the chemical under test are intimately mixed with ninety-five (95) milliliters of distilled water, allowed to stand undisturbed for one hour, and then the volume of the upper phase is determined to the nearest 1 milliliter.

Apparatus.—3. (a) Mixing cylinder, 100 milliliter subdivisions and fitted with glass stoppers.

(b) Pipettes: Volumetric pipette, 5.0 milliliter.

(c) Timers.

Procedure.—4. Add 95 milliliters of distilled water at 72 F±5 F to a 100 milliliter mixing cylinder. To the surface of the water in the mixing cylinder, add 5.0 milliliters of the chemical under test. Insert the stopper and invert the cylinder 5 times in 10 seconds. Set upright for one (1) hour at 72 F±5 F and then measure the chemical layer at the surface of the water. The major portions of the chemical added (75% +) should be at the water surface as a separate and easily distinguished layer.

2004.3–4.14 Surface collecting agent components. Itemize by chemical name and percentage by weight of each component of the total formulation. The percentages will include maximum, minimum and average weights in order to reflect quality control variations in manufacture or formulations. As least the following major components shall be identified:

(a) Surface active agents.
(b) Solvents.
(c) Additives.

If requested by tne submitter, information for 2004.3–4.14 will be handled as trade secrets under provisions of Pub. L. 90–23, the Administrative Procedures Act.

2004.3–4.15 Heavy metals and chlorinated hydrocarbons.

Using reliable analytical chemistry techniques, state the concentrations or upper limits of the following materials:

Arsenic, cadmium, chronimum, copper, lead, mercury, nickel, zinc, plus any other metals that may be in the sample. Atomic absorption methods should be used and the detailed analytical methods and sample preparation shall be fully described;

Cyanide using standard colorimetric procedures;

Chlorinated hydrocarbons. Gas chromatography should be used and the detailed analytical methods and sample preparation shall fe fully described.

2004.3–5 Analytical laboratory requirements for technical product data: Follow stipulations in 2003.3–5.

2005 Biological additive program for spills of oil and applicable hazardous substances.

2005.1 Authorization for use of biological agents.

2005.1–1 All Discharges. The OSC may authorize the use of biological additives on water or shorelines only after obtaining the approval of the EPA representative to the RRT. The EPA RRT representative is required to consult with the EPA representative to the NRT on the environmental priorities of the subject incident. The manufacturer or supplier of microbiological cultures or enzymes must obtain approval from State and local public health and pollution control officials and furnish evidence of such approval to the EPA RRT representative.

2005.2 Special restrictions on biological additive use.

2005.2–1 Microbiological cultures and enzyme mixtures shall not be considered for use as biological additives unless technical product data has been provided and accepted in accordance with 2005.3.

2005.2–2 The OSC must be supplied with the chemical composition and ratios of primary nutrients for nutrient additives prior to seeking approval for their use.

2005.3 Technical product data for biological additives.

2005.3–1 Technical product data as outlined in 2005.3–4 on the constituents of a biological additive shall be submitted to the Division of Oil and Special Materials Control (WH–448), Environmental Protection Agency, Washington, D.C. 20460, at least 60 days prior to the use of the additive. Within 60 days of receipt of the data, EPA will inform in writing the submitter on the adequacy of the data provided.

If additional information is requested or EPA desires to perform tests, the biological additive may not be used until the additional needs have been satisfied and the submitter so notified.

2005.3–2 Information furnished in accordance with 2003.3–4 shall be maintained on file by EPA to provide technical guidance to OSC's on the acceptable circumstances of use and application rates for biological additives. Any changes in the composition of the biological additive that will affect any of the data being requested in 2005.3–4 shall be immediately brought to the attention of EPA and testing of the additive will be repeated prior to the use of the revised biological additive.

2005.3–3 The acceptance and maintenance of product data by EPA does not constitute approval of the biological additive nor does it imply compliance with any EPA criteria or minimum standards for such additives. The OSC will determine which biological additive may be used for a spill event on a case-by-case basis using all available information in making such a decision. To avoid possible misinterpretation and misrepresentation of EPA's role in this technical product data program, the manufacturer's representatives may use only the EPA letter advising compliance with 2005.3–4 in any advertisements or technical literature on the biological additive. The EPA letter must be used in its entirety. Failure to comply with these restrictions or any other improper reference to EPA in attempting to demonstrate EPA approval of the biological additive for use on spills of oil or hazardous substances shall constitute grounds for removing the technical product data from EPA files which would preclude use of the biological additive.

2005.3–4 Required technical product data.

2005.3–4.1 Name, brand, or trademark, if any, under which the biological additive is sold.

2005.3–4.2 Name, address and telephone number of the manufacturer, importer or vendor.

2005.3–4.3 Name, address and telephone number of primary distributers or sales outlets.

2005.3–4.4 Special handling and worker precautions for storage and field application.

Maximum and minimum storage temperatures.

2005.3–4.5 Shelf life.

2005.3–4.6 Recommended application procedure(s), concentration(s) and conditions for use depending upon water salinity, water temperature and types and ages of the pollutants.

2005.3–4.7 Statements on the expected effectiveness of the agent including degradation rates and the test conditions and data on effectiveness.

2005.3–4.8 For microbiological cultures furnish the following information:

Listing of all microorganisms to species.[1]

Percentage of each species in the composition of the additive.[1]

Optimum pH and temperature range for use of the additive.

Special nutrient requirements, if any.

Separate listing of the following and test methods for such determinations:

Salmonella, fecal coliform, shigella, staphylococcus coagulase positive, and beta hemolytic streptococci.

2005.3–4.9 For enzyme additives furnish the following information:

Enzyme name(s).

International Union of Biochemistry (I.U.B.) number(s).

Source of the enzyme.

Units.

Specific activity.

Optimum pH and temperature range for the use of the agent.

2005.3–5 Laboratory requirements for technical product data: Follow stipulations in 2003.3–5.

2006 Burning agent program for spills of oil and applicable hazardous substances.

2006.1 Authorization for use of burning agents.

2006.1–1 All discharges. The OSC may authorize the use of burning agents only when their use: 2006.1–1.1 will prevent or substantially reduce imminent threats to human life or limb or property;

2006.1–1.2 will result in the least environmental harm when compared to other removal or disposal methods.

2006.1–1.3 Prior to authorizing use under 2006.1–2, the OSC must obtain the approval of the EPA RRT representative and all applicable State and local public health and pollution control officials.

2006.2 Special restrictions on burning agent use.

2006.2–1 The OSC will evaluate the suitability of burning agents on a case-by-case basis. Burning agents should be inert materials that will not, in themselves, be a water pollutant. The addition of oils (such as gasoline or solvents) as an igniter shall be avoided unless it is necessary under 2006.1–1.

2006.2–2 A technical data program for burning agents will not be established at this time.

2007 Sinking agent program for spills of oil and applicable hazardous substances.

2007.1 Authorization for use of sinking agents.

2007.1–1 All discharges. Sinking agents shall not be applied to discharges of oil or hazardous substances on the navigable waters of the United States and the contiguous zone.

2008 Mechanical methods and sorbents program for spills of oil and hazardous substances.

2008.1 Authorization for use of mechanical methods and sorbents.

2008.1–1 All discharges.

2008.1–1.1 As stated in 2001.3, it is the policy of this schedule to advocate the use of mechanical methods and sorbents for removal of oil and hazardous substances spills. The OSC has the authority to use or prohibit specific mechanical methods and sorbents on a case-by-case basis. The OSC will select methods and materials that in his judgment, will be most effective in expeditiously removing the spilled material and mitigating the related damages, and will minimize secondary pollution from the removal or mitigation operation. Prior to authorizing the use of sorbents, the OSC shall take into consideration hydrographic and meteorological conditions as well as the characteristics of the sorbent and the availability of adequate containment and removal equipment.

2008.1–1.2 A technical data program for mechanical methods and sorbents will not be established at this time.

ANNEX XI—2100 NON-FEDERAL INTERESTS

2101 General policy.

2101.1 The policy of the Federal government is to initiate discharge removal operations when required and action is not being taken by the discharger or other private or public organization.

2110 Planning and preparedness.

2110.1 The planning and preparedness functions incorporated in regional contingency plans also apply to non-Federal resources. The State and local governments and private interests are to be encouraged to participate in Regional planning and preparedness functions.

2110.2 State and local government agencies are encouraged to include contingency planning for discharge removal in existing and future emergency and disaster planning activities. States are invited to provide observers to the planning activities of the appropriate RRT. (§1510.34(c) of the Plan)

2120 Pollution emergency response operations.

2120.1 State agencies may be reimbursed from the fund established by section 311(k) of the Act for reasonable costs incurred in the removal of oil and hazardous substances discharges from the waters and shorelines of the United States. The procedures to be followed are detailed in section 1905, Annex IX of this part.

2120.2 Regional Contingency Plans should provide for coordination with local government organizations such as as county and city or town governments. This is especially important for purposes of traffic control, land access and disposal of pollutants removed in response operations.

2130 Volunteers.

2130.1 In many pollution emergency situations in the coastal areas, volunteers desiring to assist in mitigating the effects of the pollution discharge response effort present themselves at the scene. Regional contingency plans should provide for this possibility and through the direct participation of State observers in plan development, should establish procedures that will result in organized and worthwhile employment of these persons.

2130.2 Regional plans should provide for the organization and directing of volunteers by USCG, other Federal, local or State officials knowledgeable in contingency operations and capable of providing mature, responsive and practical leadership.

2130.3 Regional plans should also provide specific areas in which volunteers should be used such as: Beach surveillance, logistical support, bird and other wildlife treatment and scientific investigations. Normally they should not be used for physical removal of pollutants. Specifically, if a substance is toxic to humans, volunteers should not be permitted at on-scene operations.

2130.4 Information for and education of volunteer personnel on general contingency operations and procedures as well as specific details of the discharge is mandatory if response efforts are to be effective and conclusive. Regional plans should provide for this volunteer education and training program for rapid, on-site use.

2130.5 During contingency plan operations, information on the discharge and removal efforts should be provided to volunteers frequently to insure coordinated effort and a sense of meaningful participation.

ANNEX XV—2500 TECHNICAL INFORMATION

2501 Technical library.

2501.1 A technical library of pertinent pollution control technical documents will be maintained in the NRC and in each RRC. Such information should be useful as reference information to the experienced OSC and instructional to less experienced personnel.

2502 Specific references.

2502.1 As a minimum, the following reference documents will be maintained in the NRC and in each RRC technical library.

2502.1–1 Current National Oil and Hazardous Substances Pollution Contingency Plan.

2502.1–2 Current Regional and State Oil and Hazardous Substances Pollution Contingency Plan.

2502.1–3 Current Directory of the American Council of Independent Laboratories.

2502.1–4 Encyclopedia of Chemical Technology, 22 Vols., Kirkothmer, 2nd edition c1963–1971, John Wiley & Sons, New York, New York.

2502.1–5 Chemical Data Guide for Bulk Shipment by Water (U.S. Coast Guard CG–388).

2502.1–6 U.S. Corps of Engineers' Regulations ER 500–1–1 and ER 500–1–8 Emergency Employment of Army Resources (Natural Disaster Activities).

2502.1–7 Federal Disaster Assistance Program—Handbook for Applicants FDAA 3300.1, July 1973.

2502.1–8 Federal Disaster Assistance Program—Eligibility Handbook 3300.2, July 1973.

2502.1–9 Federal Disaster Assistance Program—Handbook for State and Federal Officials 3000.4, December 1973.

2502.1–10 Handbook of Toxicology (National Academy of Sciences/National Research Council).

2502.1–11 46 CFR–146. Transportation or Storage of Explosives or other Dangerous Articles or Substances, and Combustible Liquids on Board Vessels.

2502.1–12 33 CFR, 3, 6, 121, 122, 124–6. Security of Vessels and Waterfront Facilities (USCG CG 239).

2502.1–13 33 and 40 CFR parts implementing section 311 of the Federal Water Pollution Control Act, as amended.

2502.2 In addition to the library specified above, the RRC should have provision, either in publications or by computer terminal, for access to the EPA Technical Assistance Data System (TADS) and the USCG Chemical Hazard Response Information System (CHRIS).

2503 Definitions of terms.

2503.1 *API Gravity.* An empirical scale for measuring the density of liquid petroleum products, the unit being called the "degree API".

2503.2 *Ash.* Inorganic residue remaining after ignition of combustible substances determined by definite prescribed methods.

2503.3 *Asphalts.* Black, solid or semisolid bitumens which occur in nature or are ob-

[1] If requested by the submitter, these items will be handled as trade secrets under provisions of Pub. L. 90–23, the Administrative Procedure Act.

tained as residues during petroleum refining.

2503.4 *Bilge Oil.* Waste oil which accumulates, usually in small quantities, in the lower spaces in a ship, just inside the shell plating. Usually mixed with larger quantities of water.

2503.5 *Blowout.* A sudden violent escape of gas and oil from an oil well when high pressure gas is encountered and preventive measures have failed.

2503.6 *Boiling Point.* The temperature at which the vapor pressure of a liquid is equal to the pressure of the atmosphere.

2503.7 *Bunker "C" Oil.* A general term used to indicate a heavy viscous fuel oil.

2503.8 *Bunker Fuel.* A general term for heavy oils used as fuel on ships and in industry. It often refers to No. 5 and 6 fuel oils.

2503.9 *Bunkering.* The process of fueling a ship.

2503.10 *Coker Feed (or fuel).* A special fuel oil used in a coker furnace, one of the operating elements of a refinery.

2503.11 *Conversion tables.*

Knowing	Gallon U.S.	Multiply by factor below to obtain			
		Barrel U.S.	Gallon imperial	Cubic feet	Litre
Gallon (U.S.)	1.000	0.023810	0.83268	0.13368	3.7853
Barrel	*42.0	1.0000	34.9726	5.6146	158.984
Gallon (Imp.)	1.2009	0.02859	1.000	0.1605	4.546
Cubic Feet	7.4805	0.1781	6.2288	1.000	28.316
Litres	0.2641	0.00629	0.2199	0.03532	1.000
	Pound	Ton (short)	Ton (long)	Ton (metric)	
Pounds	1.00	0.00050	0.000446	0.00045359	
Ton (Short)	*2000.0	1.0000	0.89286	0.90718	
Ton (Long)	*2240.0	1.120	1.0000	1.0160	
Ton (Metric)	2204.6	1.1023	0.98421	1.000	

One Hectolitre equals 100 Litre.
One Ton (Metric) equals 1000 Kilograms.
Conversions marked (*) are exact by definition.

2503.12 *Approximate conversions.*

Material	*Barrels Per Ton (Long)*
crude oils	6.7–8.1
aviation gasolines	8.3–9.2
motor gasolines	8.2–9.1
kerosenes	7.7–8.3
gas oils	7.2–7.9
diesel oils	7.0–7.9
lubricating oils	6.8–7.6
fuel oils	6.6–7.0
asphaltic bitumens	5.9–6.5

(As a general rule-of-thumb use 6.5 barrels or 250 gallons per ton of oil.)

2503.13 *Crude oil.* Petroleum as it is extracted from the earth. There may be several thousands of different substances in crude oil, some of which evaporate quickly while others persist indefinitely. The physical characteristics of crude oils may vary widely. Crude oils are often identified in trade jargon by their regions of origin. This identification may not relate to the apparent physical characteristics of the oil. Commercial gasoline, kerosene, heating oils, diesel oils, lubricating oils, waxes, and asphalts are all obtained by refining crude oil.

2503.14 *Demulsibility.* The resistance of an oil to emulsification, or the ability of an oil to separate from any water with which it is mixed. The better the demulsibility rating, the more quickly the oil separates from water.

2503.15 *Density.* Density is the term meaning the mass of a unit volume. Its numerical expression varies with the units selected.

2503.16 *Emulsion.* A mechanical mixture of two liquids which do not naturally mix as oil and water. Water-in-oil emulsions have the water as the internal phase and oil as the external. Oil-in-water emulsions have water as the external phase and the internal phase is oil.

2503.17 *Fire Point.* The lowest temperature at which an oil vaporizes rapidly enough to burn for at least 5 seconds after ignition, under standard conditions.

2503.18 *Flash Point.* The lowest temperature at which an oil gives off sufficient vapor to form a mixture which will ignite, under standard conditions.

2503.19 *Fraction.* Refinery term for a product of fractional distillation having a restricted boiling range.

2503.20 *Fuel oil grade.* Numerical ratings ranging from 1 to 6. The lower the grade number, the thinner the oil is and the more easily it evaporates. A high number indicates a relatively thick, heavy oil. No. 1 and No. 2 fuel oils are usually used in domestic heaters, and the others are used by industry and ships. No. 5 and 6 oils are solids which must be liquified by heating. Kerosene, coal oil, and range oil are all No. 1 oil. No. 3 fuel oil is no longer used as a standard term.

2503.21 *Innage.* Space occupied in a product container.

2503.22 *In personem.* An action *in personem* is instituted against an individual, usually through the personal service of process, and may result in the imposition of a liability directly upon the person of a defendant.

2503.23 *In rem.* An action *in rem* is one in which the vessel or thing itself is treated as offender and made defendant without any proceeding against the owners or even mentioning their names. The decree in an action *in rem* is enforced directly against the *res* by a condemnation and sale thereof.

2503.24 *Load on top.* A procedure for ballasting and cleaning unloaded tankers without discharging oil. Half of the tanks are first filled with seawater while the others are cleaned by hosing. Then oil from the cleaned tanks, along with oil which has separated out in the full tanks, is pumped into a single slop tank. The clean water in the full tanks is then discharged while the freshly-cleaned tanks are filled with seawater. Ballast is thus constantly maintained.

2503.25 *Oil films.* A slick thinner than .0001 inch and may be classified as follows:

Standard Term	Gallons of Oil Per Square Mile	Appearance
"barely visible"	25	barely visible under most favorable light conditions
"silvery"	50	visible as a silvery sheen on surface water
"slightly colored"	100	first trace of color may be observed
"brightly colored"	200	bright bands of color are visible
"dull"	666	colors begin to turn dull brown
"dark"	1332	Much darker brown

NOTE: Each one-inch thickness of oil equals 5.61 gallons per square yard or 17,378,709 gallons per square mile.

2503.26 *Outage.* Space left in a product container to allow for expansion during temperature changes it may undergo during shipment and use. Measurement of space not occupied.

2503.27 *pH.* Term used to express the apparent acidity or alkalinity of aqueous solutions; values below 7 indicate acid solutions and values above 7 indicate alkaline solutions.

2503.28 *Pour Point.* The lowest temperature at which an oil will flow or can be poured under specified conditions of test.

2503.29 *Residual oil.* A general term used to indicate a heavy viscous fuel oil.

2503.30 *Scuppers.* Openings around the deck of a vessel which allow water falling onto the deck to flow overboard. Should be plugged during fuel transfer.

2503.31 *Sludge oil.* Muddy impurities and acid which have settled from a mineral oil.

2503.32 *Specific gravity.* The ratio of the weight of a given volume of the material at a stated temperature to the weight of an equal volume of distilled water at a stated temperature.

2503.33 *Spontaneous ignition temperature (S.I.T.).* The temperature at which an oil ignites of its own accord in the presence of air oxygen under standard conditions.

2503.34 *Stoke.* The unit of kinematic viscosity.

2503.35 *Tonnage.* There are various tonnages applied to merchant ships. The one commonly implied is gross tonnage although in these days tankers and other bulk-carriers are often referred to in terms of deadweight.

2503.35–1 *Gross tonnage.* 100 cubic feet of permanently enclosed space is equal to one gross ton—nothing whatever to do with weight. This is usually the registered tonnage although it may vary somewhat according to the classifying authority or nationality.

2503.35–2 *Net tonnage.* The earning capacity of a ship. The gross tonnage after deduction of certain spaces, such as engine and boiler rooms, crew accommodation, stores, equipment, etc. Port and harbor dues are based on this tonnage.

2503.35–3 *Displacement tonnage.* The actual weight in tons, varying according to whether a vessel is in light or loaded condition. Warships are always spoken of by this form of measurement.

2503.35–4 *Deadweight tonnage.* The actual weight in tons of cargo, stores, etc., required to bring a vessel down to her load line, from the light condition. Cargo deadweight is, as its name implies, the actual weight in tons of the cargo when loaded, as distinct from stores, ballast, etc.

2503.36 *Ullage.* The amount by which a tank or vessel lacks being filled. (See also Outage)

2503.37 *Viscosity.* The property of liquids which causes them to resist instantaneous change of shape, or instantaneous rearrangement of their parts, due to internal friction. The resistance which the particles of a liquid offer to a force tending to move them in relation to each other. Viscosity of oils is usually expressed as the number of seconds at a definite temperature required for a standard quantity of oil to flow through a standard apparatus.

2503.38 *Viscous.* Thick, resistant to flow, having a high viscosity.

2503.39 *Volatile.* Evaporates easily.

[FR Doc.75-2729 Filed 2-7-75;8:45 am]

☆ U. S. GOVERNMENT PRINTING OFFICE: 1975—627-383/337 3-1