



DEPARTMENT OF THE NAVY

NORTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
BUILDING 77L U.S. NAVAL BASE  
PHILADELPHIA, PENNSYLVANIA 19112-5094

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IN REPLY REFER TO

Ser 1656/1823/WS

18 JUN 1992

4-30-1992

FOR THE MEMBERS OF THE TECHNICAL REVIEW COMMITTEE (TRC) FOR  
INSTALLATION RESTORATION PROGRAM CORRECTIVE ACTIONS AT NAVAL  
SURFACE WARFARE CENTER CRANE, IN

Enclosed are copies of the minutes, handouts, and the list of  
attendees for TRC Meeting #5, held on 30 April 1992. Please  
contact me at (215) 897-6432 if you have any comments or  
questions concerning the minutes.

TRC Meeting #6 is tentatively scheduled for 16 July 1992, in  
Building 1 at 9:00 AM. We plan to discuss RCRA Facility  
Investigation (RFI) Reports and the status of the current field  
work effort.

The meeting is expected to last until 12:00 PM.

Sincerely,

WILLIAM C. SCHROCK  
Remedial Project Manager  
By direction of the Commanding Officer

**Distribution:**

U. S. EPA Region V, Carol Witt-Smith  
NSWCC, Environmental Division, Jim Hunsicker (3 copies)  
AMCCOM, Mary Ann Rondinella  
CAAA, Stephan Schick  
U. S. Army Corps of Engineers, Waterways Experiment Station, Bill  
Murphy  
U. S. Army Corps of Engineers, Waterways Experiment Station,  
Dr. James May  
U. S. Army Corps of Engineers, Wilmington Distr, Steve Norstedt  
U. S. Army Corps of Engineers, Louisville Distr, Loren Christman  
U. S. Fish and Wildlife Service, Dan Sparks  
Indiana Department of Environmental Management, Thomas Linson  
(2 copies)  
Indiana Department of Environmental Management, Reggie Baker  
Indiana Department of Natural Resources, Dr. Wayne Faatz  
Daviess County, Janet Goodwin  
Greene County, Mark Ivy  
Lawrence County, Larry Walton  
Martin County, Larry Ziegler  
Monroe County, Tim Crouch  
City of Bedford, Jeanne Robinson  
City of Bloomfield, Gale Robbins  
Padanaram/Imperial Lumber, Aram Wright

MEETING MINUTES FOR  
NAVAL SURFACE WARFARE CENTER, CRANE DIVISION  
TECHNICAL REVIEW COMMITTEE MEETING NO. 5  
APRIL 30, 1992

The meeting was called to order by Jim Hunsicker, NAVSURFWARCENDIV Environmental Division Manager at 09:30. The first order of business involved the introduction of parties attending the meeting. Parties present at the meeting included:

Bill Schrock	- NAVFAC, Northern Division, Remedial Project Manager (RPM) for NAVSURFWARCENDIV
Jeffrey Ciocco	- NAVFAC, Northern Division, Technical Manager
Adrienne Wilson	- NAVFAC, Northern Division
John Kolicius	- NAVFAC, Northern Division
Jim Hunsicker	- NAVFAC, NAVSURFWARCENDIV, Environmental Division Manager
Tom Brent	- NAVSURFWARCENDIV, Environmental Technician
Steve Schick	- Crane Army Ammunition Activity, Environmental
Steve Nohrstedt	- Army Corps of Engineers (ACOE)
Bill Murphy	- ACOE, Waterways Experiment Station
Susan Volk	- Indiana Department of Environmental Management (IDEM), RCRA Action Program
Tim Crouch	- Monroe County Health Department
Commander Hayes	- NAVSURFWARCENDIV, USN
Rob Cannestra	- SEC Donohue
Jeff Maletzke	- SEC Donohue

It was mentioned that Carol Witt, USEPA representative for NAVSURFWARCENDIV was unable to attend this quarters' TRC due to other obligations.

09:35 - 09:40: Bill Schrock, Navy RPM, presented information on Naval Engineering Field Division restructuring. Changes affecting NAVSURFWARCENDIV will primarily involve personnel changes due to the "corporate" restructuring of Naval Engineering Field Divisions. Restructuring involves the creation of an Engineering Field Activity (EFA) MIDWEST at Great Lakes, Illinois, to handle activities in the midwest including NAVSURFWARCENDIV. EFA MIDWEST will report to Engineering Field Division (EFD) Southern Division in Charleston, South Carolina. Restructuring is to take place during the 1992 through 1995 fiscal years. Under restructuring, a new RPM will be assigned to NAVSURFWARCENDIV; Adrienne Wilson will be the next RPM. Ms. Wilson is currently assigned to Northern Division, but will transfer to Southern Division in the future. Additional information and diagrams dealing with the restructuring were included in the meeting handouts (see attached).

- 09:40 - 09:50: Bill Schrock reviewed project schedules for Solid Waste Management Units (SWMUs) at NAVSURFWARCENDIV. Schedule bar graphs were included in the handouts distributed at the meeting. Schedule discussions followed the handout. Bill noted that the schedule for SWMUs 02/11, 06/09, 07/09, and 10/15. Groundwater may change pending EPA approval to decrease the number of sampling rounds from 5 to 4.
- 09:50 - 10:20: Rob Canestra presented results of the RCRA Facility Investigation (RFI) Phase I Environmental Monitoring Report (EMR) for SWMUs #19/00 (Pyrotechnic Test Area); #08/17 (Building 106 Pond); #12/14 (Mine Fill A); and #13/14 (Mine Fill B). The presentation included a review of the RCRA investigation/remediation process and components and goals of an EMR. In addition, the presentation summarized the findings, conclusions, and recommendations made in the EMR by SWMU. A handout of material covered was distributed to meeting attendants (see attached).
- 10:20 - 10:45: Jeff Maletzke presented results of the RFI Phase I EMR for SWMUs #15/06 (Road and Grounds Area); #14/00 (Sanitary Landfill); and #16/16 (Cast High Explosive Fill/Incinerator, Building 146). The presentation summarized the findings, conclusions, and recommendations made in the EMR by SWMU. A handout of material covered during the presentation was distributed to attendants at the meeting (see attached).
- 10:45 - 10:50: Bill Schrock asked if there were any questions on past meetings. No questions were raised. The date for TRC Meeting No. 6 was set for Thursday, July 16, 1992. The meeting is tentatively set to take place at Building 1 at 09:00. TRC members will receive confirmation of meeting time and place at a later date.
- 10:50: Meeting adjourned.

TR/MISC/AA1

**AGENDA**  
**NAVAL SURFACE WARFARE CENTER CRANE TRC MEETING**  
**APRIL 30, 1992**

**INTRODUCTION**

**ENGINEERING FIELD DIVISION RESTRUCTURING**

**SCHEDULE UPDATES**

**ENVIRONMENTAL MONITORING REPORT PRESENTATIONS**  
SWMU'S 08/17, 12/14, 13/14, & 19/00  
SWMU'S 14/00, 15/16, 16/16,

**OTHER ISSUES/COMMENTS**

**NEXT TRC MEETING**

**RESTRUCTURING  
OF THE  
ENGINEERING FIELD DIVISIONS**

**CONCEPT  
OF  
OPERATIONS**

**27 NOVEMBER 1991**

## EXECUTIVE SUMMARY

By the end of FY 95 we will have a smaller Navy and a markedly reduced budget available to fulfill our mission. This reduced Navy force structure and the evolution of base closure and realignment actions will place new demands on our operations. NAVFACENGCOM must accommodate these external changes, along with a declining customer workload. We are committed to maintaining our sound technology base while pro-actively restructuring to gain the efficiencies and flexibilities necessary to keep pace with an uncertain future.

Having adopted a corporate philosophy of continuous improvement, the changes in organization proposed in this paper will support improved delivery of service to our customers by better focusing on their requirements. Centralizing overhead support functions offers efficiencies, and resourcing service delivery points at major customer concentrations will continue our tradition of close customer contact. Process improvements, flexible organizations and increased efficiencies will provide an ability to respond to changing customer needs and Department of the Navy priorities.

Taking care of our people is paramount in our restructuring effort. We will place priority on retaining our people with their attendant skills and capabilities, and accommodating their needs within the resources available. To the maximum extent possible, employees whose existing positions are eliminated will be provided opportunities for continued employment within the NAVFACENGCOM family. Employee priority placement consideration will be given to each displaced employee within the claimancy who indicates his/her availability and willingness to move when necessary. We will apprise all affected employees of employment prospects and encourage them to apply for positions at other NAVFACENGCOM activities.

NAVFACENGCOM Headquarters will concentrate on the role of corporate advocate for accomplishing the command's mission. It will be a compact and focused organization with processes aligned to corporate goals.

We plan to use the full range of NAVFACENGCOM capabilities, including our Engineering Field Divisions, Public Works Centers, Construction Battalion Centers, and their subordinate offices to deliver needed products and services to our customers. Our concept of operations will be accomplished by delivery of products and services through interconnected field service points at five Engineering Field Divisions and five Engineering Field Activities.

In the Pacific we are gaining efficiencies by consolidating Officer in Charge of Construction and Public Works Center office overheads, while maintaining most existing service delivery points.

On the West Coast we will maintain an Engineering Field Division in San Diego at the primary fleet and command structure interface point while Engineering Field Activities at San Francisco and Puget Sound will support those major Navy concentration areas.

Similarly, on the East Coast we will retain an Engineering Field Division in Norfolk, VA, and Philadelphia, PA to continue overseas and Atlantic area fleet and Navy command structure support. However, the Engineering Field Division in Philadelphia will become an echelon IV command subordinate to the Engineering Field Division in Norfolk, and provide a more limited range of products and services similar to an Engineering Field Activity. Subordinate Engineering Field Activities will be in Europe, and Washington, DC.

The Engineering Field Division in Charleston, SC, will accomplish support of major Navy complexes in the south, and provide support to the Headquarters, Chief of Naval Education and Training and the Commander, Naval Reserve Force, while Engineering Field Activity MIDWEST in Great Lakes will provide support to Navy activities in the midwest.

The restructured Engineering Field Activity organizations will retain their current functional capabilities to directly serve the customer. Their resultant capacity to accommodate workload will be focused only in direct product areas. Major overhead/indirect functions like financial, program, contract and design management and planning will be centralized at the EFD level.

Restructuring will occur over a period of years to minimize mission impact. Functional transfers will be limited during the FY 92 to FY 95 timeframe to mitigate impact on our people and customers and to accomplish our heavy workload. Functional transfers will occur only when there are significant savings and efficiencies.

We strongly believe that utilization of existing policies in the civilian personnel management area, normal attrition, training, and committed leadership will result in minimum impact on our people.

The concepts of operations are described in the follow-on paper.

## GENERAL CONCEPT OF OPERATIONS

The restructuring of the Engineering Field Divisions (EFDs) will result in both unique and common concepts of operations within the assigned area of responsibility (AOR). The unique aspects of the concepts of operations are presented under each Engineering Field Division. The common aspects of the concepts of operation are:

### Chain of Command

EFDs are full service echelon III commands. Northern Division will remain an EFD but will be an echelon IV command and have an organization similar to an Engineering Field Activity (EFA). EFAs are echelon IV commands tailored to local customer requirements, assigned smaller geographic areas, and report to the EFD. An Officer in Charge of Construction (OICC) is an echelon IV command reporting to an EFD. Resident Officers in Charge of Construction (ROICCs) are field contracting offices and report directly to the EFA if they are located within the AOR of an EFA or to the EFD when not within the AOR of an EFA.

### Program

EFDs are responsible for program management of NAVFAC centrally managed programs (e.g., MILCON, DERA, PA). Project management for projects executed by an EFA will be accomplished by that EFA.

### Service Concept

EFAs are low overhead organizations staffed to provide the widest possible product and service support directly to their customers within a defined geographic area commensurate with good business practices. EFDs provide broad spectrum support to EFAs and customers directly served by them. EFDs, EFAs, and Public Works Centers (PWCs) may be designated as providers of unique services on a global basis outside their normal AOR.

### Information Systems Functions

On-site services of technical computer personnel will be required by EFAs to maintain individual personal computers, local area networks, telecommunication interfaces, and any required central operations support. Specialized programming, equipment procurement advice, and mainframe computer operations will be provided by the EFD.

### Budget/Timekeeping/Payroll/Accounting

Operating budget formulation and execution will be the ultimate responsibility of the geographic EFD. Each EFA will have adequate in-house capability to develop a local budget and monitor budget execution of the EFA and subordinate field contracting offices. Timekeeping input and payroll liaison will be performed on site at the EFAs. EFDs will perform Authorized Accounting Activity (AAA) accounting functions for themselves, their EFAs, and other subordinate offices.

### Administrative Functions

All required administrative functions (e.g., security, mail/message, supply purchase, travel, civilian personnel) will be performed on site at each EFD/EFA. These functions may be purchased from/provided by others.

### Command Advisory

EFAs are commands and have inherent responsibility and accountability for command advisory functions (e.g., EEO, PAO, Command Evaluation, clerical). These functions may be purchased from/provided by others, including the parent EFD.

### Legal

Counsel at each EFD and EFA will provide legal advice and services associated with the products and services delivered at each location.

### Contracting

Contracting authority will flow from Commander NAVFAC (head of contracting activity) through the EFD to the EFAs. The Commanding Officers will issue warrants to qualified contracting officers in their areas of responsibility, including internal contract department staff, ROICC offices, and echelon IV activities (PWCs and OICCs). Each command will be responsible for Procurement Management Reviews (PMRs) for those warrants issued, drawing on other NAVFAC activities for qualified senior contracting personnel as required.

The contract departments will provide full services as necessary to accomplish delivery of products within their geographic location. Claims and disputes will be resolved by the Procuring Contracting Officer (PCO) within his/her delegated authority.

### Environmental Services

EFDs are responsible for environmental program management and funding. Project management, project execution, compliance evaluations, and technical assistance will be performed at each site as resources and workload considerations dictate.

Liaison and coordination with regional environmental coordinators, state regulators, and EPA representatives will be accomplished at each site within their products and services AOR.

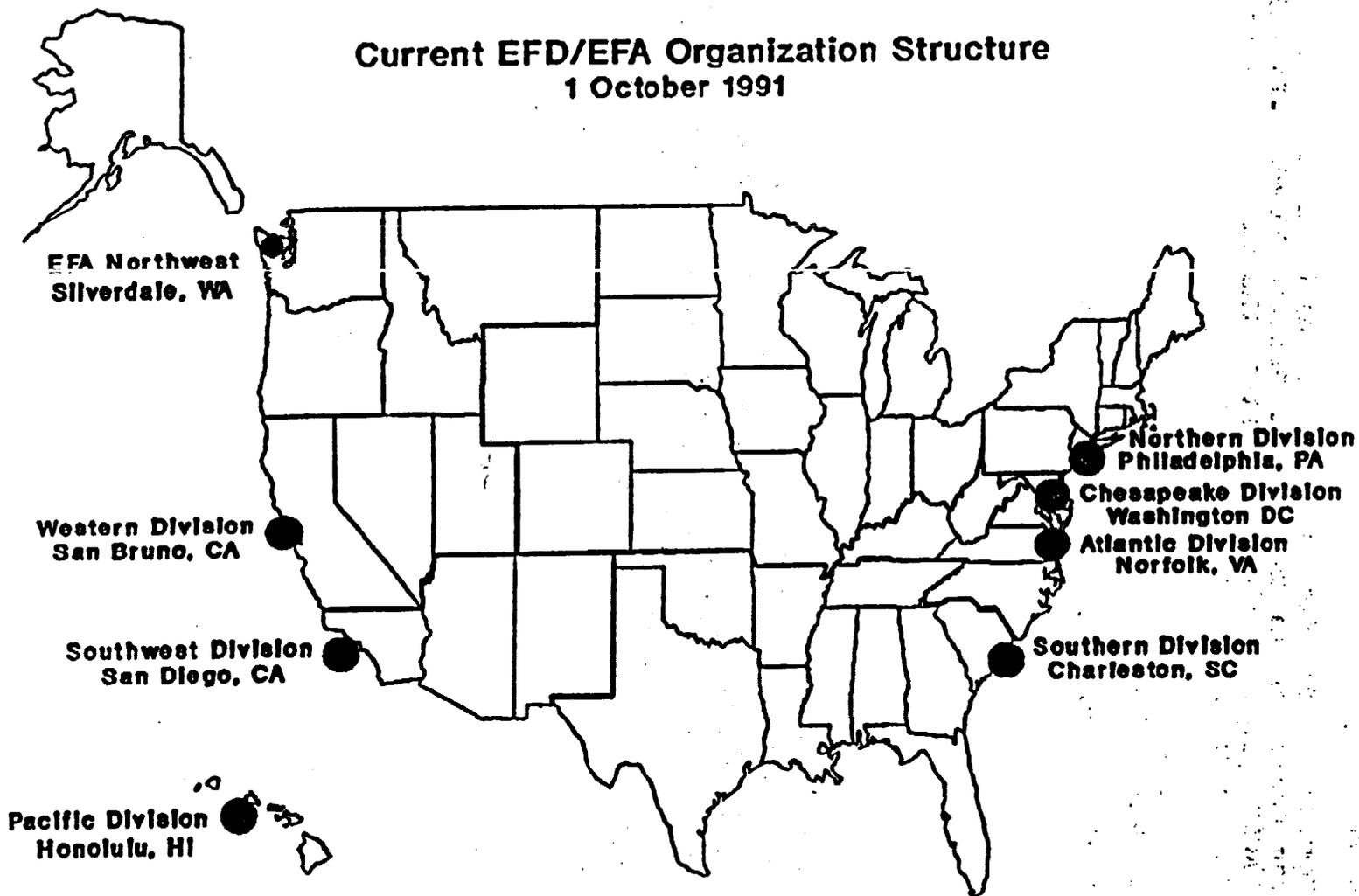
### Family Housing

EFDs will provide the full range of family housing management functions. EFAs may perform project execution in their AOR.

### Engineering

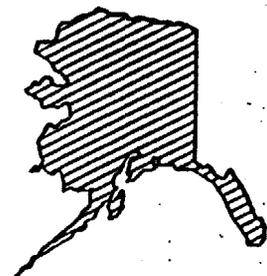
EFAs will center around a "core" engineering group with general engineering skills. This "core" will provide first level customer/field consultation, environmental support, design, facilities management engineering, and internal field support. EFAs will provide "rapid response" to customer mission issues.

**Current EFD/EFA Organization Structure**  
**1 October 1991**

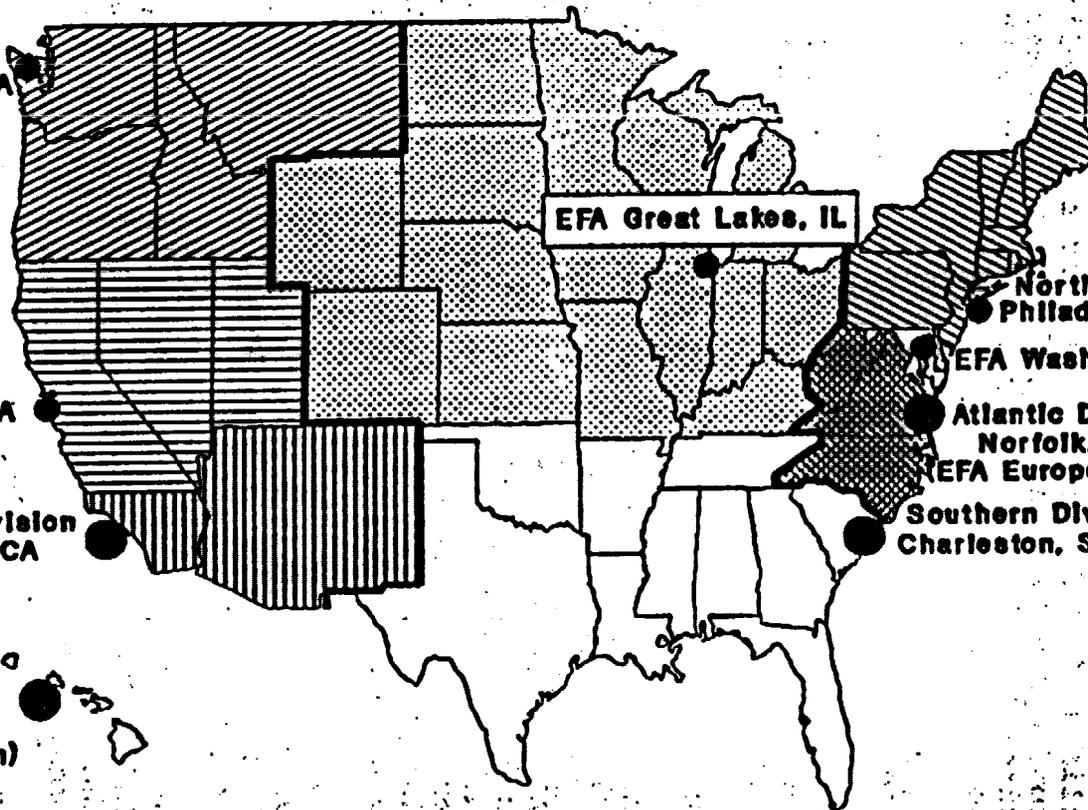


# Proposed EFD/EFA Organization Structure

1 October 1995



EFA Silverdale, WA



EFA Great Lakes, IL

EFA San Bruno, CA

Southwest Division  
San Diego, CA

Pacific Division  
Honolulu, HI  
(OICCs not shown)

Pacific Division -  
Pacific & Indian Ocean  
Areas, including Antarctica

Northern Division  
Philadelphia, PA

EFA Washington DC

Atlantic Division  
Norfolk, VA

(EFA Europe not shown)

Southern Division  
Charleston, SC

Atlantic Division -  
Atlantic Ocean Area,  
including Central & South  
America, Africa,  
Europe, & Middle East

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## PRESENTATION OBJECTIVES

### I. DEFINE AN EMR

#### *Tasks*

- Document Review
- Personnel Interviews
- SMWU Walk Over

#### *Goals*

- Present Information on Past Releases
- Identify the Need for Further Action

### II. IDENTIFY SWMUs AND DISCUSS FINDINGS CTO#0015

#### **SWMU #15/06 Roads and Grounds Area**

- Operational History
- Findings and Observations
- Conclusions and Recommendations

#### **SWMU #14/00 Sanitary Landfill and Lithium Battery**

- Operational History
- Findings and Observations
- Conclusions and Recommendations

#### **SWMU #16/16 Cast High Explosive Fill/Incinerator Building 146**

- Operational History
- Findings and Observations
- Conclusions and Recommendations

## SWMU #15/06 ROADS & GROUNDS AREA

### 1. OPERATIONAL HISTORY

- Boiler House
- Waste Oil Storage
- Asphalt Batch Plant
- Storage
- Wash Facilities
- Filling and Dumping
- Underground Storage Tanks

### 2. FINDINGS & OBSERVATIONS

- Analytical Results (Soil)
- Reported Releases to Soils and Surface Water
- Visual Observations of Potential Contamination of Soils and Surface Water

### 3. CONCLUSIONS AND RECOMMENDATIONS

<u>Media</u>	<u>Release</u>	<u>Suspected Contaminants</u>
Groundwater	Potential <sup>2</sup>	Pesticides, Hydrocarbons
Surface Water	Occurred <sup>1,2</sup> Potential <sup>2</sup>	Asphalt Pesticides
Soil	Occurred <sup>1,2</sup> Potential <sup>2</sup>	Asphalt, Hydrocarbons Pesticides
Air	Unlikely	--
Subsurface Gas	Unlikely	--

#### NOTES:

- 1: Observed
- 2: Reported

#### RECOMMENDATION:

Further investigation (Phase II RFI Release Assessment) for soil, surface water, and groundwater.

## SWMU #14/00 SANITARY LANDFILL & LITHIUM BATTERY

### 1. OPERATIONAL HISTORY

- Construction and Municipal Waste Disposal
- Special Waste Disposal
- Lithium Battery Disposal
- Transformer Storage & Drainage
- Underground Storage Tank

### 2. FINDINGS & OBSERVATIONS

- Analytical Results: Leachate, Groundwater, Surface Water, Soil, Sediment
- Types and Volumes of Waste Disposed of in Landfill
- Visual Observations of Potential Contamination of Soils and Surface Water

### 3. CONCLUSIONS AND RECOMMENDATIONS

<u>Media</u>	<u>Release</u>	<u>Suspected Contaminants*</u>
Groundwater	Likely	Leachate Constituents
Surface Water	Occurred <sup>2,3</sup>	Leachate Constituents
Soil	Likely	Leachate Constituents
Air	Unlikely	--
Subsurface Gas	Likely	Methane

#### NOTES:

- 1: Observed
- 2: Reported
- 3: Analytical Records

#### RECOMMENDATION:

Further investigation (Phase II RFI Release Assessment) for soil, groundwater, surface water, subsurface gas in trench and fill areas.

**SWMU #16/16 CAST HIGH EXPLOSIVES  
AND INCINERATOR BUILDING 146**

**1. OPERATIONAL HISTORY**

- Projectile Loading
- Demilitarization (Incineration & High Pressure Water Washout)

**2. FINDINGS AND OBSERVATIONS**

- Analytical Results (Air, Soil, Surface Water, Groundwater)
- Visual Observations of Potential Contamination of Soils and Surface Water

**3. CONCLUSIONS AND RECOMMENDATIONS**

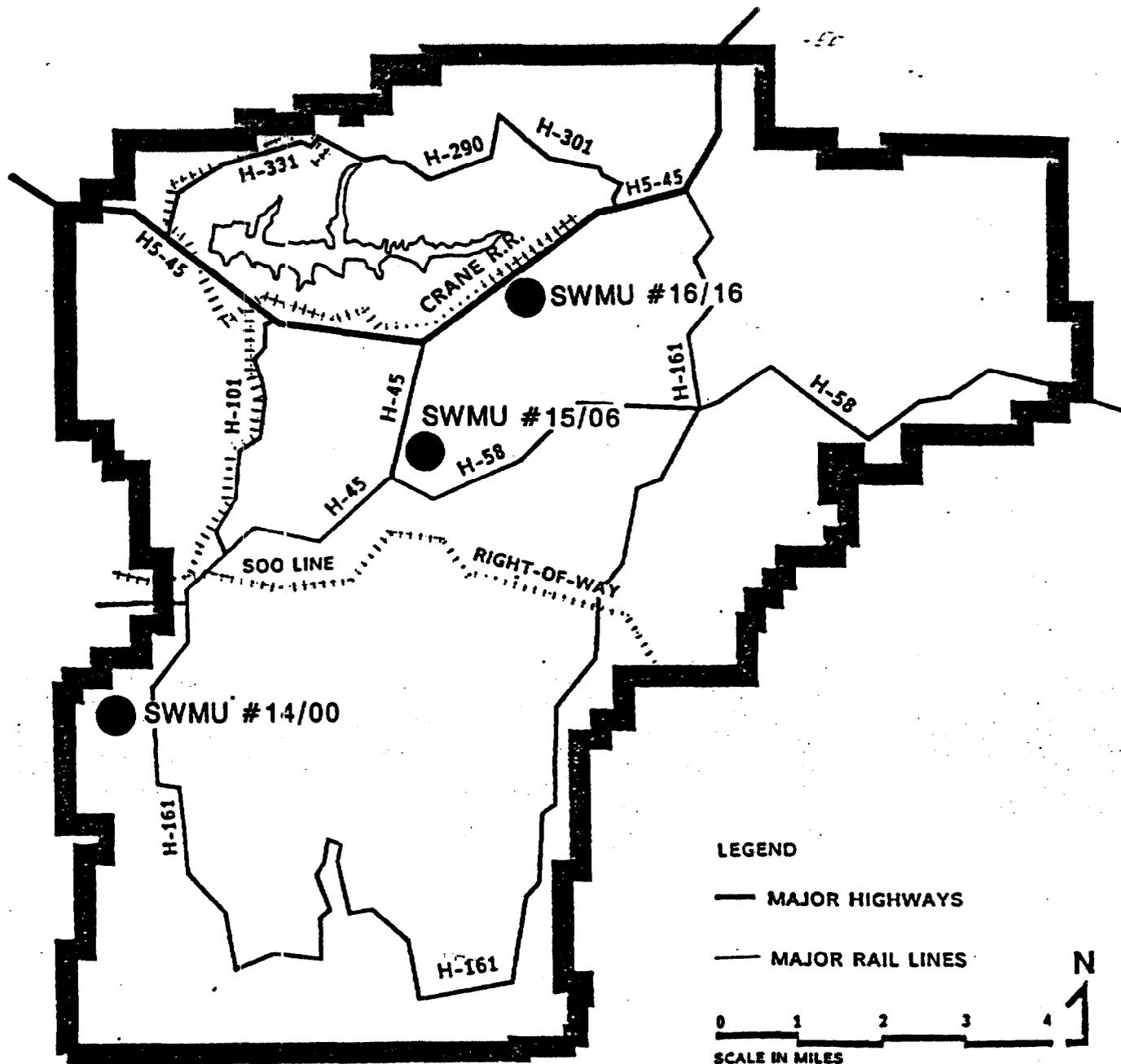
<u>Media</u>	<u>Release</u>	<u>Suspected Contaminants*</u>
Groundwater	Likely	Explosives, Metals
Surface Water	Occurred <sup>2,3</sup>	Explosives, Metals
Soil	Occurred <sup>2</sup>	Explosives, PCBs, Metals
Air	Unlikely	--
Subsurface Gas	Unlikely	--

**NOTES:**

- 1: Observed
- 2: Reported
- 3: Analytical Records

**RECOMMENDATION:**

Further investigation (Phase II RFI Release Assessment) for soil, surface water, and groundwater.



SWMU #16/16: CAST HIGH EXPLOSIVE FILL/INCINERATOR BLDG. 146  
 SWMU #15/06: ROADS AND GROUNDS AREA  
 SWMU #14/00: SANITARY LANDFILL AND LITHIUM BATTERY

SOURCE: NORTHERN DIVISION, NAVAL FACILITIES ENGINEERING  
 COMMAND, NWSCC MASTER PLAN, 1986

MARCH 1992

**FIGURE 2-5**  
**SWMU - LOCATION MAP**  
 ENVIRONMENTAL MONITORING REPORT  
 NWSCC  
 CRANE, INDIANA

20602

**Donohue** ENGINEERS  
 ARCHITECTS  
 SCIENTISTS

## **PRESENTATION OBJECTIVES**

### **I. IDENTIFY RCRA INVESTIGATION PROCESS**

### **II. DEFINE AN EMR**

#### *Tasks*

- Document Review
- Personnel Interviews
- SMWU Walk Over

#### *Goals*

- Present Information on Past Releases
- Identify the Need for Further Action

### **III. IDENTIFY SWMUs AND DISCUSS FINDINGS CTO#0006**

#### **SWMU #19/00 Pyrotechnic Test Areas**

- Operational History
- Findings and Observations
- Conclusions and Recommendations

#### **SWMU #08/17 Building 106 Pond**

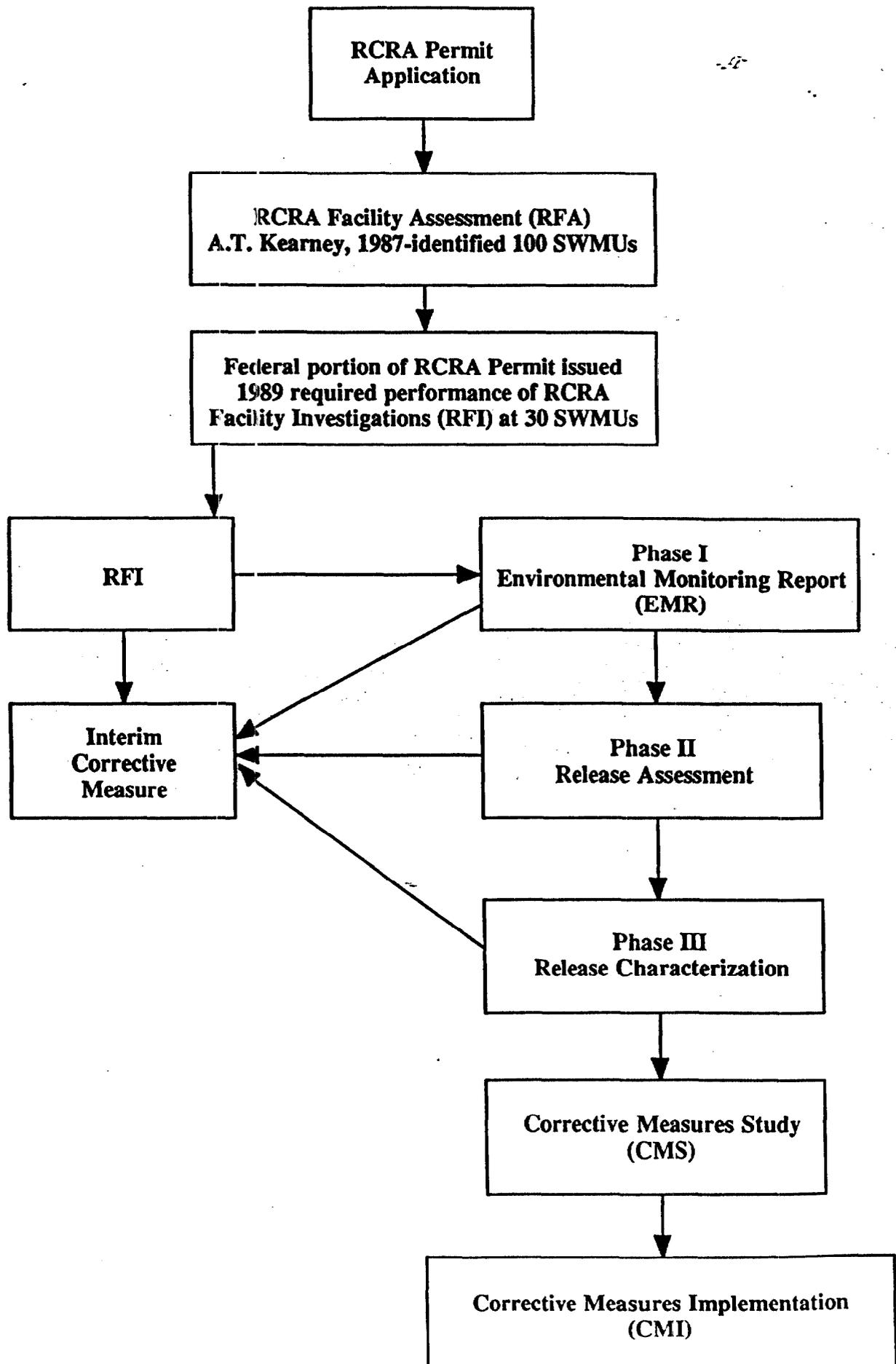
- Operational History
- Findings and Observations
- Conclusions and Recommendations

#### **SWMU #12/14 Mine Fill A**

- Operational History
- Findings and Observations
- Conclusions and Recommendations

#### **SWMU #13/14 Mine Fill B**

- Operational History
- Findings and Observations
- Conclusions and Recommendations



## SWMU #19/00 PYROTECHNIC TEST AREAS

### THREE AREAS

- *Ordnance Test Area (OTA)*
- *Annex Area*
- *Rocket Range*

#### 1. OPERATIONAL HISTORY

- Operated for as Long as 30 Years
- Utilized for Quality Control and Functional Testing of the Following:
  - Explosive Ordnance
  - Mechanical Devices

#### 2. FINDINGS AND OBSERVATIONS

- Documented Evidence of Releases to Surface Water
- Operational Procedures Indicate Releases to Soil, Surface Water, Groundwater, and Air

#### 3. CONCLUSIONS AND RECOMMENDATIONS

<u>Media</u>	<u>Release</u>	<u>Suspected Contaminants</u>
Groundwater	Likely	Explosives and pyrotechnic components, products, and residues
Surface Water	Likely <sup>1</sup>	Explosives and pyrotechnic components, products, and residues
Soil	Occurred <sup>1,2</sup>	Explosives and pyrotechnic components, products, and residues
Air	Occurred <sup>1</sup>	Explosive and pyrotechnic components, products, and residues

#### NOTES:

- 1: Observed
- 2: Reported

#### RECOMMENDATION:

Further investigation (RFI Phase II Assessments) for all media.

## WHAT IS AN EMR?

### *Tasks*

- Document Review
- Personnel Interviews
- SMWU Walk Over

### *Goals*

- Present Information on Past Releases
- Identify the Need for Further Action

## SWMU #08/17 BUILDING 106 POND

### 1. OPERATIONAL HISTORY

- Dyeing Operations
- Caustic Washing and Degreasing
- Metal Equipment Reconditioning
- Phosphatizing Operations

### 2. FINDINGS AND OBSERVATIONS

- Documented Evidence of Exceedances in Discharge
- Observed Potential Surface Water Contamination
- Overflow to Surface Water Drainageways

### 3. CONCLUSIONS AND RECOMMENDATIONS

<u>Media</u>	<u>Release</u>	<u>Suspected Contaminants</u>
Groundwater	Likely	Volatile Organics, Metals
Surface Water	Occurred <sup>2,3</sup>	Oil, Metals, Volatile Organics
Soil	Likely	Metals, Semivolatile Organics
Air	Potential	Volatile Organics

#### NOTES:

- 1: Observed
- 2: Reported
- 3: Analytical Records

#### RECOMMENDATION:

Further investigation (RFI Phase II Release Assessment) for groundwater, surface water, and soil.

## SWMU #12/14 MINE FILL A

### 1. OPERATIONAL HISTORY

- Mine/Bomb Load and Fill
- Metal Preparation and Painting
- Demilitarization
- Explosive Wastewater Treatment

### 2. FINDINGS AND OBSERVATIONS

- Documented Evidence of Soil and Surface Water Exceedances
- Observation of Potential Contamination of Soils and Surface Water

### 3. CONCLUSIONS AND RECOMMENDATIONS

<u>Media</u>	<u>Release</u>	<u>Suspected Contaminants</u>
Groundwater	Likely	Explosive Components
Surface Water	Occurred <sup>3</sup>	Explosive Components
Soil	Occurred <sup>3,1</sup>	Explosive Components
Air	Occurred <sup>2</sup>	Explosive Components

#### NOTES:

- 1: Observed
- 2: Reported
- 3: Analytical Records

#### RECOMMENDATION:

Further investigation (RFI Phase II Release Assessment) for groundwater, surface water, and soil.

## SWMU #12/14 MINE FILL B

### 1. OPERATIONAL HISTORY

- Mine/Bomb Load and Fill
- Metal Preparation and Painting

### 2. FINDINGS AND OBSERVATIONS

- Documented Evidence of Soil, Surface Water, and Groundwater
- Observation of Potential Contamination of Soils and Surface Water

### 3. CONCLUSIONS AND RECOMMENDATIONS

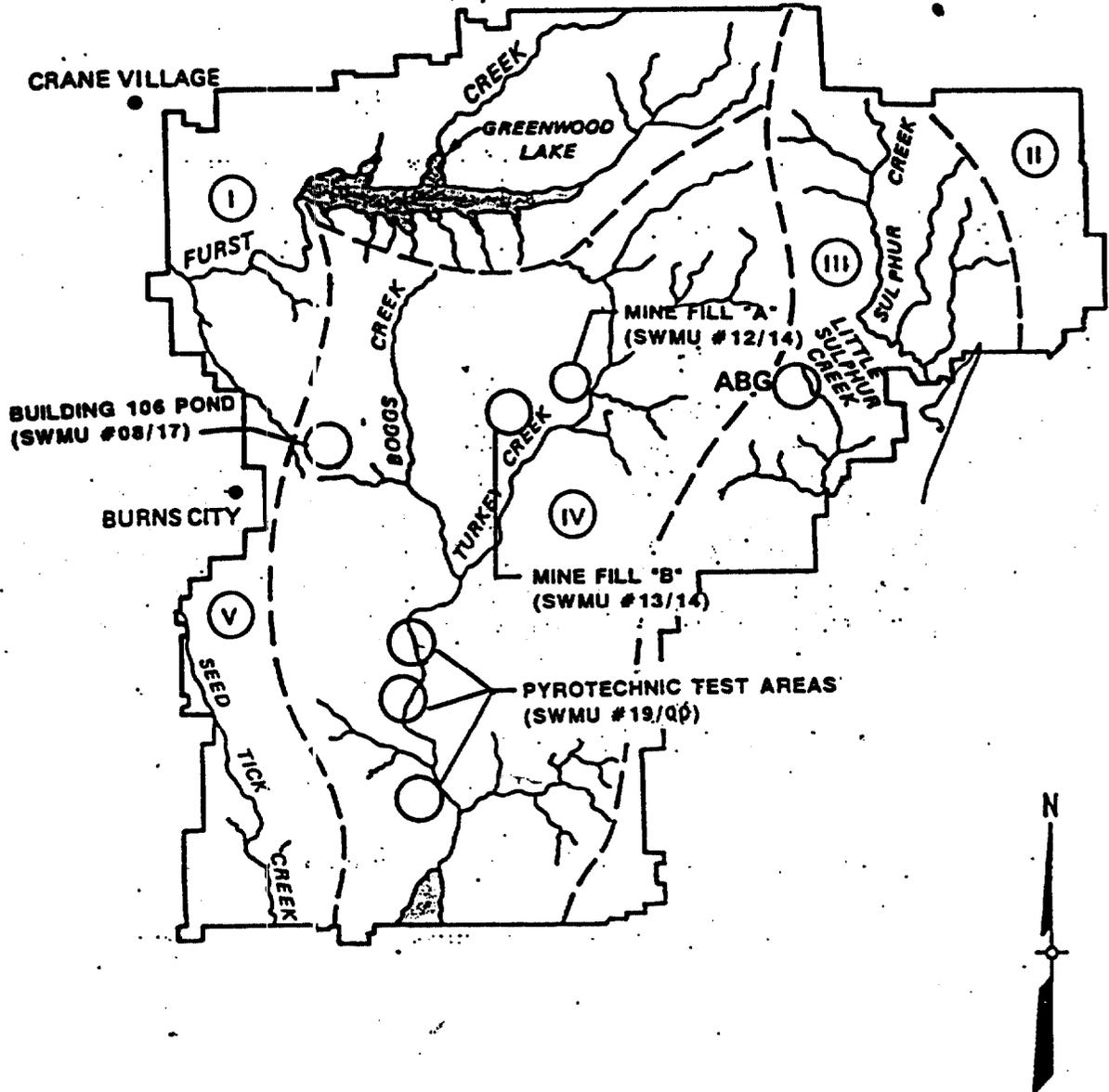
<u>Media</u>	<u>Release</u>	<u>Suspected Contaminants</u>
Groundwater	Occurred <sup>3</sup>	Explosives
Surface Water	Occurred <sup>3</sup>	Explosives
Soil	Occurred <sup>3,1</sup>	Explosives, Semivolatile Organics
Air	Occurred <sup>2</sup>	Explosives

#### NOTES:

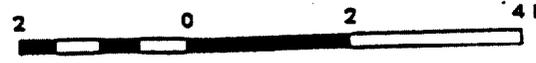
- 1: Observed
- 2: Reported
- 3: Analytical Records

#### RECOMMENDATION:

Further investigation (RFI Phase II Release Assessment) for groundwater, surface water, and soil.



SOURCE: CHESAPEAKE DIVISION NAVAL  
FACILITIES COMMAND, 1979



MARCH 1992

**FIGURE 2-2**  
**SURFACE DRAINAGE BASINS**  
ENVIRONMENTAL MONITORING REPORT  
NWSCC  
CRANE, INDIANA

**Donohue** ENGINEER  
ARCHITECT  
SCIENTIST

<u>NAME</u>	<u>ORGANIZATION ADDRESS</u>	<u>PHONE #</u>	<u>DOCUMENTS</u>
Jeffrey Ciocco	NORTHNAUFACENCOM, Phila. PA	215.897.6280	
STEVE Schick	CRANE Army Ammunition Activity	854-3404	yes
Jim Hunsicker	NSWC Crane	854-3233	yes
Suzanne M. Volk	Indiana Dept of Env. Mgmt. OSHEIM, Corrective Action 105 S. Meridian St. Indianapolis, IN 46206-6015	(317) 233-4624	yes
Tim R. Crouch	MOORE COUNTY HEALTH 119 West Seventh Birmingham, IN 47404	(812) 333-3543	yes
BOE CANNESTRA	SEC-DONOHUE, Milwaukee WI	(414) 271-4700	
JEFF MALETZKE	SEC-DONOHUE, Sheboygan, WI	(414) 458-8711	
JOHN KOLICIVS	NORTHNAUFACENCOM, PHILA., PA	(215) 897-6280	no
Bill Murphy	USREWES, VICKSBURG, MS	(601) 634-3322	no
Adrienne Tawassil Wilson	Southern Division 2155 Eagle Dr. Charleston SC	29413 (803) 743-0582	
John S. Nohstedt	U.S. Army COE, Wilmington District, CESAN-EN-65 P.O. Box 1890, Wilmington NC	28402 919/251-4704	Yes
TOM BRENT	NSWC Crane	854-1132	
COR J. HAYS	PWO NSWC CRANE	(812) 854-1344	<u>NO</u>
ZILL SCHROCK	NORTHNAUFACENCOM PHILA, PA	215-897-6432	YES



DEPARTMENT OF THE NAVY  
CRANE DIVISION  
NAVAL SURFACE WARFARE CENTER  
CRANE, INDIANA 47522-5000

9510  
095

IN REPLY REFER TO:

2 April 1992

Jim Hunsicker  
Environmental Protection Branch Manager  
Naval Weapons Support Center  
Bldg. 2694, Code 0924  
Crane, IN 47522-5009

Dear Mr. Hunsicker *JM*

Meeting #5 of the Crane Division, Naval Surface Warfare Center Technical Review Committee has been scheduled for Thursday, 30 April 1992. The meeting will be held in the Building 1 Conference Room, beginning at 9:00 a.m., and ending at approximately 12:30 p.m.

We plan to discuss environmental monitoring reports for the following Solid Waste Management Units (SWMUs):

the Load and Fill Area, Building 106 Pond, SWMU #08/17;  
the Pyrotechnic Test Area, SWMU #19/00;  
Mine Fill A, SWMU #12/14;  
Mine Fill B, SWMU #13/14;  
Sanitary Landfill and Lithium Battery Area, SWMU #14/00;  
Roads and Grounds Area, SWMU #15/06; and  
Cast High Explosive Fill Incinerator, Bldg. 146, SWMU #16/16.

Please let us know if you will be able to join us for this important meeting of the Crane NSWC TRC. If you are unable to attend, we request that you send a technical representative in your place. Responses and requests for further information regarding the Installation Restoration Program should be directed to me at Crane Division, Code PA, Naval Surface Warfare Center, Crane, IN 47522-5000, telephone 812-854-1394/1424 or Autovon 482-1394/1424.

Sincerely,

TIM CALLAHAN  
Public Affairs Specialist  
By direction of  
the Commander