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NAS KEY WEST
5090.3a

EMERGENCY RESPONSE ACTION PLAN NAS KEY WEST FL
7/1/2007
NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION

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NAS KEY WEST FACILITY RESPONSE PLAN

TAB IMPLEMENTING POLICY MEMORANDUM:

NAS KEY WEST MEMORANDUM TO ALL NAVAL AIR STATION KEY WEST

From: Commanding Officer, NAS Key West

Subj: OPA 90 FACILITY RESPONSE PLAN IMPLEMENTATION

Ref: (a) 40 CFR 300, National Oil and Hazardous Substances Pollution Contingency Plan
(b) 40 CFR 264 and 265, RCRA Hazardous Waste Regulations
(c) OPNAVINST 5090.1B, Navy Environmental Protection Manual
(d) 33 CFR 154, Subpart F — Response Plans
(e) 40 CFR 112 and 110, Oil Pollution Prevention and Discharge of Oil
(f) 49 CFR 130, Oil Spill Prevention and Response Plans
(g) 49 CFR 194, Response Plans for Onshore Oil Pipelines

1. Purpose. To provide a contingency plan that establishes policy, responsibilities, and procedures for the control and cleanup of oil and hazardous substance (HS) spills within the NAS Key West jurisdiction.
2. Scope. This plan is effective for the land and water within NAS Key West property boundaries and under the command authority of the Commanding Officer, NAS Key West. The plan is applicable to oil and HS spills into air, water, or land, originating from any NAS Key West department, tenant activity, or any other organization or private contractor working within NAS Key West property boundaries.
3. Background.
 - a. A variety of HS is stored and used in small quantities at NAS Key West as a result of routine operations. References (a) and (b) establish specific contingency planning requirements to better control and reduce the harmful effects (e.g., environmental degradation, property damage, and bodily injury) resulting from HS mismanagement and spills.
 - b. Large quantities of purchased petroleum products are stored at various locations at NAS Key West. The discharge of harmful quantities of oil into navigable waters of the United States is prohibited. In addition, oil spills create visible and lasting effects on wildlife, beaches, boats, and ships, as well as create a risk of fire or explosion. A Spill Prevention, Control and Countermeasure (SPCC) Plan, as required by reference (e), has been developed for NAS Key West in order to decrease the potential for oil spills.
 - c. Reference (c) implements Navy policy for the management of oil and hazardous substance releases from Navy shore activities. Reference (c) requires NAS Key West to develop and implement an Oil and Hazardous Substance Spill Contingency Plan, and to designate a Qualified Individual to implement the response plan and obligate funds for response and an Incident Commander to direct and coordinate spill response operations.

- d. The Regional Environmental Coordinator — NAS Jacksonville, Florida, has been designated to act as Navy On-Scene Coordinator (NOSC) [Regional Incident Commander] with overall responsibility for regional response to spills within an assigned geographic area of responsibility, which includes NAS Key West.

4. Policy.

- a. NAS Key West will fully support and implement requirements of references (a) through (f).
- b. The NAS Key West policy is to manage oil and hazardous substances so as to prevent accidents, fires, and spills, and to train personnel in procedures for the effective control of accidents, fires, or spills when they occur.
- c. The policies and responsibilities established in this instruction shall be fully implemented in conjunction with those described in the accompanying OPA 90 Facility Response Plan (PLAN), which establishes the NAS Key West response organization and outlines the functions and responsibilities of the Incident Commander, response management team, and other Incident Command System team members.
- d. In the event of any oil or HS spill, the response actions and standard operating procedures detailed in the PLAN and the site-specific actions described in the site-specific plans shall be carried out regardless of the extent or severity of the spill. A special spill response team, Incident Command System team, shall be assembled and trained to provide expertise in carrying out the necessary response actions.
- e. Response personnel shall become thoroughly familiar with the content and use of the PLAN before it needs to be activated during a spill event.
- f. NAS Key West will strictly adhere to the equipment, logistics and personnel training requirements of the PLAN.

5. Action. In accordance with the requirements and guidance contained in the PLAN:

- a. The Commanding Officer, NAS Key West, is designated the Qualified Individual and Incident Commander. The Business Manager, Environmental Director, and the Oil Spill Response Chief are designated as Alternate Facility Qualified Individuals and will have the responsibility of directing response activities as designated by the Facility Qualified Individual.
- b. This plan shall be reviewed and updated after each incident involving activation of the PLAN, but no less often than annually.

J. R. BROWN, Captain, US Navy
Commanding Officer

Distribution:

NAS KEY WEST Fire Department
NAS KEY WEST Safety
NAS KEY WEST Environmental Department
NAS KEY WEST Security
NAS KEY WEST Fuels Director
NAS KEY WEST Public Affairs
NAS KEY WEST Legal

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RESPONSE DISTANCES
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NAVAL AIR STATION KEY WEST FACILITY RESPONSE PLAN

INTRODUCTION:

The Navy has historically used a two level response planning concept to provide for prompt initial response at the facility level backed by additional regional resources to combat spills exceeding local capabilities. Under OPA 90 regulations, the Navy will continue to use a tiered response and planning strategy.

Facility Response Plans will address response resources necessary to respond to spills up to the medium/maximum most probable and will define the worst-case discharge. Naval On-Scene Commander (NOSC) plans will pick the worst of the worst case spill volumes identified in the facility plans for each MSO district and/or EPA region and address response resources required to respond to that size spill.

The Naval Air Station Key West Facility Response Plan included herein will address the area contained within the property limits of the government-owned and leased lands within its boundaries and any waters flowing through, past or from those lands. The pre-designated NOSC for Naval Air Station Key West is responsible for response preparedness for Naval Installations throughout the Southeastern region. The NOSC and FIC plans will address both oil and hazardous substance spill response in compliance with OPA 90 regulations and applicable state, local planning requirements, and Navy Regulations OPNAVINST 5090.1B.

Since both the facility plan and the NOSC plan are required to meet the worst-case response planning and response preparedness standards established by OPA 90, both plans may be submitted for regulatory review. Since Navy facilities are normally "complex facilities," recommended plan formats listed in the regulations cannot always be followed. Therefore, as provided for in the regulations, a cross-reference index (Appendix A, FRP) is provided to aid in the regulatory review process.

INTEGRATION OF NAS KEY WEST AND KEY WEST PIPELINE COMPANY FACILITY RESPONSE PLANS:

The Key West Pipeline Company (KWPC) operates a JP-5 fuel receipt, storage, and transfer facility located at NAS Key West, Trumbo Point Annex. The terminal facility maintains 3 major above ground fuel storage tanks of an aggregate capacity of 135,000 bbls. KWPC receives JP-5 fuel from tankers that moor and off-load at Pier D-2 located approximately 1,000 feet west of the Trumbo Point tank farm. The United States Coast Guard (USCG) occupies and operates the pier. The JP-5 fuel is off loaded through an 8-inch flexible hose connected to a 12-inch steel aboveground pipeline that runs along the north edge of the pier. At the east end of the pier the 12-inch steel aboveground pipeline joins two 12-inch steel underground pipelines running east that connect to KWPC Terminal above ground storage tanks (AST). Upon request by NAS Key West, JP-5 fuel is transferred, via a 7 mile long, 4 inch diameter pipeline, from the KWPC ASTs to ASTs at the NAS Key West tank farm located on Boca Chica Key.

KWPC maintains an OPA 90 Facility Response Plan for its operations. A copy of the KWPC Facility Response Plan is maintained by NAS Key West Oil Spill Response Group — Building C-1. Copies of the NAS Key West Facility Response Plan have been provided to KWPC Terminal — Key West, and to KWPC Headquarters — Houston, Texas. KWPC relies on NAS Key West for immediate response support and their Notification Lists include the NAS Key West Fire Department and the Command Duty Officer. KWPC utilizes Cliff Berry Inc. for primary response contractor support.

The KWPC response program embraces the Incident Command System. NAS Key West response personnel, e.g., Fire Chief/Team, Oil Spill Response Chief, Oil Spill Response Team members, and Spill Management Team members, may be requested to support the KWPC spill Management Team and response operations until relieved by agreement with Unified Command.

The NAS Key West Facility Response Plan, incorporates critical information extracted from the KWPC Facility Response Plan to foster effective response coordination, i.e., KWPC Qualified Individual and Company Headquarters contact numbers, summary of KWPC response equipment and contract resources, KWPC worst case terminal and pipeline scenarios, and associated Quick Reference Response Guides. The reader should refer to the KWPC Facility Response Plan for additional information and details.

FRP CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete."

Authorized Signature	Title	Phone No.	Date

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RECORD OF CHANGES:

The current NAS Key West Facility Response Plan (FRP) has been updated and revised by VEETech, P.C. in July 2007. Previously, this FRP has been updated and revised in April 2005 as a joint effort between NAS Key West Port Operations and Environmental Departments. This effort took the prior data base developed in February 2003 by Petroleum Partners, a joint venture of EnSafe Inc. and PCCI under DESC Contract No. SP0600-01-D-5108.

Following summarizes key revisions:

RECORD OF CHANGES	
Section	Revision
RED PLAN — Quick Reference Guide	<u>Updated</u> Cover Page document – 2007 <u>Updated</u> all points of contacts phone listings, response times and equipment lists. <u>Updated</u> points of contact on Incident Notification Page <u>Updated</u> points of contact on Tab E – E.3.2 Response Personnel <u>Updated</u> points of contact on Tab E – E.4 & E.5 <u>Updated</u> quantities of equipment on F.3 <u>NEW</u> NASKW Spill Response Form (similar to ICS #201)
Implementing Instructions	Instruction changed to Policy Memorandum Needs CO Approve / Sign
Table Of Contents	<u>Updated</u> review dates
Introduction	<u>Added</u> section addressing linkage between NAS Key West and Key West Pipeline Company Facility Response Plans <u>Updated</u> review dates
Facility Information	<u>Updated</u> points of contacts.
ERAP	
Tab A Qualified Individual	<u>Updated</u> contacts.
Tab B Notifications	<u>Updated</u> contacts. <u>Added</u> Key West Pipeline Company contacts.
Tab C Notification Form	<u>Updated</u> Notification Form. <u>Added</u> Navy OPREP and Florida reporting forms.
Tab D Emergency Response	<u>Updated</u> emergency contact numbers.
Tab E Response Personnel	<u>Updated</u> emergency response personnel rosters and contact numbers, including Key West Pipeline Company contacts
Tab F Equipment	<u>Updated</u> equipment inventory levels.
Tab G Natural Resources	No Changes

RECORD OF CHANGES	
Section	Revision
Tab H Disposal Plan	Added DoD Waste Management/Disposal procedures including references extracted from Area Contingency Plan and a sample waste disposal plan.
Tab I Evacuation Plan	<u>Contacts were updated.</u>
Tab J Maps	No Changes
Annex 1 HS Responses	<u>Updated contacts</u>
Annex 2	No Changes
Annex 3	No Changes
FRP	
Tab 1 Facility Information	<u>Updated</u> contacts and data.
Tab 2 Emergency Response Information	<u>Updated</u> contacts, notification, and equipment lists.
Tab 3 Hazard Information	<u>Updated</u> contacts and data.
Tab 4 Scenarios	No Changes
Tab 5 Discharge Detection Systems	No Changes
Tab 6 Plan Implementation	<u>Updated</u> contacts and data.
Tab 7 Self Inspection	No Changes
Tab 8 Training, Dills and Exercises	<u>Updated</u> contacts and data.
Tab 9 Security	No Changes
Tab 10 Communications	<u>Updated</u>
Tab 11 Site-specific H & S Plan	No Changes
Tab 12 Plan Review and Update	No Changes
Tab 13 NRDA	No Changes
Tab 14 EPA Cover Sheet	No Changes

RECORD OF PREVIOUS CHANGES:

Following summarizes key revisions:

RECORD OF CHANGES	
Section	Revision
FRP (Continued)	
Tab 15 Definitions	Minor edits.
Tab 16 Acronyms	Minor edits.
Tab 17 References	<u>Updated.</u>
Tab 18 Maps	No Changes
Appendix A Cross Reference List	Updated.
Appendix B Contracts	<u>Updated.</u>
Appendix C Facility Classifications	No Changes
Appendix D RQ List	No Changes

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TAB A — QI: QUALIFIED INDIVIDUAL:

TABLE ERAP A.1: QUALIFIED INDIVIDUAL INFORMATION		
FACILITY QUALIFIED INDIVIDUAL/INCIDENT COMMANDER Response Time: 15 – 30 minutes	NAME	J. R. Brown
	POSITION/TITLE	Commanding Officer
	ADDRESS	Naval Air Station, P. O. Box 9007 Key West, FL 33040-9007
	COMMERCIAL WORK PHONE	(305) 293-2866
		CDO (305) 797-4428
	FAX NUMBER	Fax (305) 293-2230
	24-HOUR EMERGENCY PHONE	(305) 293-2268/2971/2041
ALTERNATE FACILITY QUALIFIED INDIVIDUAL/DEPUTY INCIDENT COMMANDER	NAME	Ron Demes
	POSITION/TITLE	Business Manager
	ADDRESS	Building A-324
	COMMERCIAL WORK PHONE	(305) 293-2488
	FAX NUMBER	(305) 293-2230
	24-HOUR EMERGENCY PHONE	(305) 797-4452
ALTERNATE FACILITY QUALIFIED INDIVIDUAL/DEPUTY INCIDENT COMMANDER	NAME	Robert Courtright
	POSITION/TITLE	Environmental Specialist
	ADDRESS	Building A-629
	COMMERCIAL WORK PHONE	(305) 293-2881
	FAX NUMBER	(305) 293-2030
	24-HOUR EMERGENCY PHONE	(305) 797-4461
ALTERNATE FACILITY QUALIFIED INDIVIDUAL/DEPUTY INCIDENT COMMANDER	NAME	Chief Cich
	POSITION/TITLE	Oil Spill Response Chief
	ADDRESS	Building #284
	COMMERCIAL WORK PHONE	(305) 293-4461
	DSN	483-4461
	FAX NUMBER	(305) 293-4462
	24-HOUR EMERGENCY PHONE	(305) 797-4445

TABLE ERAP A.1: QUALIFIED INDIVIDUAL INFORMATION contd

ALTERNATE FACILITY QUALIFIED INDIVIDUAL/DEPUTY INCIDENT COMMANDER	NAME	Steve McBride
	POSITION/TITLE	Emergency Manager
	ADDRESS	Building A-324
	COMMERCIAL WORK PHONE	(305) 293-2007
	DSN	483-2007
	FAX NUMBER	(305) 293-2935
	24-HOUR EMERGENCY PHONE	(305) 797-1210
REGIONAL QUALIFIED INDIVIDUAL	NAME	Michael Davenport
	POSITION/TITLE	Environmental Engineer
	ADDRESS	Commander, Navy Region Southeast
	COMMERCIAL WORK PHONE	(904) 542-8044
	FAX NUMBER	(904) 542-2414
	24-HOUR EMERGENCY PHONE	(904) 542-3118
	PAGER	
ALTERNATE REGIONAL QUALIFIED INDIVIDUAL	NAME	Ms. Camille Destafney
	POSITION/TITLE	Environmental Director
	ADDRESS	Commander, Navy Region Southeast
	COMMERCIAL WORK PHONE	(904) 542-8274
	FAX NUMBER	(904) 542-2414
	24-HOUR EMERGENCY PHONE	(904) 542-3118
	PAGER	

TAB B — NOTIFICATIONS:

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TAB B — NOTIFICATIONS:

**"WHEN A SPILL IS DISCOVERED"
EMERGENCY NOTIFICATION PHONE LIST**

KEY CONSIDERATIONS:

- Regulations require immediate reporting of releases of oil and hazardous substances to the National Response Center (NRC).
- Do not postpone the NRC notification pending collection of all release data.
- Navy spills exceeding reportable quantities should be reported as soon as possible, but not later than 30 minutes after a release.
- Per OPNAVINST 5090.1B, spills which represent environmentally significant events or have the potential to cause adverse public reaction shall immediately be reported using the OPREP system.
- OPREP reporting procedures for oils and Hazardous Substances are included in Tab C.
- See Appendix D in the Facility Response Plan for a list of RQs for hazardous substances.

NOTIFY THE NOSC WHEN:

- Incident impacts beyond the perimeter of the facility
- Incident response requirements extend beyond facility capabilities
- Incidents approach or exceed worst-case discharge identified for the facility

**The NOSC will coordinate with
NAVFAC SOUTHEAST and the facility to activate BOA contractor response support.**

- See Tab D Emergency Response Action Plan for details.

SPECIAL FLORIDA REPORTING REQUIREMENTS:

- Florida regulations 62-761 require additional notifications as follows:
 - **For on-site releases that do not reach navigable waters but pose potential hazard to human health or to the environment** — Contact the State Warning Point or Local Fire Department.
 - A copy of Discharge Report Form 62-761-900(1) (Included in Tab C) must be faxed to the County (Monroe County Health Department) within 24 hours.
 - **For on-site spills meeting following criteria:**
 - **500 gallons petroleum product into dike**
 - **100 gallons petroleum product onto impervious surface or other secondary containment**
 - **25 gallons petroleum product onto pervious surface**
 - A copy of Incident Notification Form 62-761-900(6) (Included in Tab C) must be faxed to the County (Monroe County Health Department) within 24 hours.

TABLE ERAP B.1: EMERGENCY NOTIFICATION PHONE LIST			
PRIORITIZED CONTACT LIST	RESPONSE ROLE	DAY PHONE	24-HOUR PHONE
Immediate Response Team Dispatcher (Fire Department) (See Table E.7 for the list of IRT members/phone numbers)	First Responders	(305) 293-3333	(305) 293-3333

TABLE ERAP B.1: EMERGENCY NOTIFICATION PHONE LIST			
PRIORITIZED CONTACT LIST	RESPONSE ROLE	DAY PHONE	24-HOUR PHONE
Facility Incident/Deputy Incident Commander Name: Ron Demes Response Time: 15-30 Minutes	Incident command and control Facility Qualified Individual	(305) 293-2488	(305) 797-4454
Deputy Facility Incident Commander Name: Robert Courtright Response Time: 15-30 Minutes	Assist with Incident command and control Alternate Facility Qualified Individual	(305) 293-2881	(305) 797-4461
Deputy Facility Incident Commander Name: Fire Chief David White Response Time: 10-15 Minutes	Assist with incident command and control Alternate Facility Qualified Individual	(305) 293-5888	(305) 797-4401
Deputy Facility Incident Commander Name: Emergency Manager – Steve McBride Response Time: 10-15 Minutes	Assist with incident command and control Alternate Facility Qualified Individual	(305) 293-2007	(305) 797-1210
Facility Response/Cleanup Team (See Table E . 3 for names/phone numbers)	Mitigate and cleanup spills	(305) 293-5888	(305) 293-3333
NATIONAL RESPONSE CENTER	Receiver of all spill reports and notifier of appropriate FOSC	(800) 424-8802	(800) 424-8802
Facility Management Team (See Table E.4 for names/phone numbers and response times)	Assist in the management of the incident	(305) 293-2583	(305) 797-4454
Navy On-Scene Coordinator Name: Mike Davenport Response Time: 12 Hours	Assist with incident command and control of "worst-case" response. Alternate Regional Qualified Individual	(904) 542-8044	(904) 542-3118
Deputy Navy On-Scene Coordinator Name: Camille Destafney Response Time: 12 Hours	Incident command and control of "worst-case" response. Regional Qualified Individual	(904) 542-8274	(904) 542-3118
Adjacent Navy/DOD Facilities Point of Contact: Naval Air Station Jacksonville Response Time: 12 Hours	Provide additional equipment and personnel resources	(904) 542-2717 ext 116	(904) 542-3166
Adjacent Navy/DOD Facilities Point of Contact: Naval Station Mayport Response Time: 12 Hours	Provide additional equipment and personnel resources	(904) 270-6730	(904) 270-5401
U.S. Coast Guard Sector MSO Key West Response Time: 30 Minutes	Provide additional equipment and personnel resources	(305) 292-8727	(305) 292-8727
Local Response Contractors Southern Waste Services — Environment First Response (BOA Contractor) Refer to ERAP Tab E for activation procedures and FRP Appendix B for additional BOA contractor listings NOSC will coordinate with SOUTHNAVFACENGCOM to activate BOA Contractors	Provide additional equipment an personnel resources Provides response expertise	(800) 852-8878	(800) 852-8878
Local Response Contractors Clean Caribbean, Inc. NOSC will coordinate with SOUTHNAVFACENGCOM to activate BOA Contractors	Provide additional equipment an personnel resources Provides response expertise	(954) 983-9880	(954) 983-9880

TABLE ERAP B.1: EMERGENCY NOTIFICATION PHONE LIST			
PRIORITIZED CONTACT LIST	RESPONSE ROLE	DAY PHONE	24-HOUR PHONE
Local Response Contractors Point of Contact: Cliff Berry, Inc. Cliff Berry Response Time: 2.5 - 4 Hours NOSC will coordinate with SOUTHNAVFACENCOM to activate BOA Contractors	Provide additional equipment and personnel resources Provides response expertise	(954) 763-3390	(800) 899-7745
Additional Response Contractors Contact NOSC Refer to ERAP Tab E for activation procedures and FRP Appendix B for additional BOA contractor listings	NOSC will coordinate with SOUTHNAVFACENCOM to activate BOA Contractors	Refer to Navy/Deputy Navy On-Scene Coordinator numbers above	Refer to Navy/Deputy Navy On-Scene Coordinator numbers above
Key West Fire Department Point of Contact: Fire Chief Response Time: 5 - 15 Minutes	Emergency medical HazMat response support Fire suppression support	(305) 292-8186	(305) 292-8145 911
State Environmental Protection Agency Point of Contact: Florida Marine Patrol (District 9) Captain George Steinmetz	Incident reporting	(800) 342-5367 Ext. 103	(305) 289-2389
State Environmental Protection Agency Point of Contact: Lisa Gordon	Incident reporting Oil Spill Coordinator	(305) 289-2310	(800) 320-0519
State Emergency Response Commission (SERC) Point of Contact: Bureau of Operations (DCA) Rod Westall	Incident reporting	(850) 413-9970	(800) 635-7179
Local Emergency Planning Committee (LEPC) Assistant City Manager Point of Contact: John Jones	Incident reporting	(305) 292-8100	
State Police (where required) Point of Contact: Randy Kosec	Traffic control Evacuation Crowd control	(305) 289-2383 *FHP	(305) 292-6840
Local Water Supply System Manager Point of Contact: Jim Smith	Secure water supply intakes	(305) 289-2739	FAX: (305) 872-1184
Wildlife Care Contractor BEAK	Wildlife Management Support	(904) 251-2473	(904) 251-2473
Key West Pipeline Company Terminal Point of Contact: John Sykes, Terminal Manger	Qualified Individual	(305) 296-0271 Fax (305) 294-0844	Home: (305) 296-0271
Key West Pipeline Company Terminal Point of Contact: Vaughan W. Walker, Sr.	Alternate Qualified Individual	(305) 294-4812 Fax: (305) 294-0844	Cell: (305) 522-0421 Hm: (305) 872-9640
Key West Pipeline Company Headquarters, Houston Point of Contact: Mark Rauch, President	KWPC Corporate Support	(713) 627-1700 ext 107	Cell: (713) 829-0065 Hm: (713) 622-8004
Local Radio Point of Contact: WHS 107.1 FM	Broadcast evacuation notices	(305) 292-1071	FAX: None
Local Radio Point of Contact: WUUS-1 104.1 & 98.7 FM	Broadcast evacuation notices	(305) 872-9100	(305) 872-1603

TABLE ERAP B.1: EMERGENCY NOTIFICATION PHONE LIST			
PRIORITIZED CONTACT LIST	RESPONSE ROLE	DAY PHONE	24-HOUR PHONE
Local Radio Point of Contact: WAIL99 FM WEOV 92.7 FM	Broadcast evacuation notices	(305) 296-7511	(305) 296-0358
Local TV Point of Contact: WPLG/TV 10 Miami, FL Steve Boyer Patty Cades Rad Berkey	Broadcast evacuation notices	(305) 325-2418	(305) 996-0235
Local TV Point of Contact: WSVN-7 Miami, FL Steve Adams Brad Friedkin	Broadcast evacuation notices	(305) 795-2777	(305) 754-8243
Local TV Point of Contact: WTVJ-6 Miami, FL Roland Steadham	Broadcast evacuation notices	(305) 789-4256	(305) 789-4222
Hospital(s) Point of Contact: Lower Florida Keys Health System James K. Simon 5900 Junior College Rd. Key West, FL 33040	Medical support	(305) 294-5531	(305) 294-5531
Hospital(s) Point of Contact: Fishermans Hospital Kevin Van Hoose 2855 Overseas Hwy Marathon, FL 33050	Medical support	(305) 743-5533	(305) 294-5533
Hospital(s) Point of Contact: Mariners Hospital Robert Luse MM100.3 Overseas Hwy. Key Largo, FL 33037	Medical support	(305) 852-4418	(305) 852-4418
Technical Support Point of Contact: Chemtrec Arlington, VA Response Time: Not Applicable	Hazardous Substances Expertise	(800) 424-9300	(800) 424-9300
Technical Support Point of Contact: EPA — Emergency Response Team Atlanta, GA Art Smith Response Time: Not Applicable to Coastal Spills (See Coast Guard)	Primary Contact: NATIONAL RESPONSE CENTER Response Expertise	(404) 562-8700	(404) 562-8700
Technical Support Point of Contact: EPA Region IV Southeast Atlanta, GA Response Time: Not Applicable	Response Expertise Emergency Management	(404) 562-8705	(404) 562-8700
Technical Support Point of Contact: USCG National Strike Force Mobile, AL Response Time: 12 Hours	Provide additional equipment and personnel resources Provides response expertise	(334) 441-6601	Cell Phone (334) 423-3195

TABLE ERAP B.1: EMERGENCY NOTIFICATION PHONE LIST			
PRIORITIZED CONTACT LIST	RESPONSE ROLE	DAY PHONE	24-HOUR PHONE
Technical Support Point of Contact: National Oceanic and Atmospheric Administration New Orleans, LA Response Time: Not Applicable	Response Expertise	(504) 589-6296	(504) 389-6225
Technical Support Point of Contact: Supervisor of Salvage (SUPSALV) Duty Officer Crystal City, VA Response Time: 36 Hours	Provide additional equipment and personnel resources	(202) 781-1731	16:00-0700 M-F 24-hours. Weekends (202) 781-3889 Contact: Duty Officer
NAS Key West, Florida Public Affairs Officer – James Brooks Deputy PAO – Trice Denny		(305) 293-2425 Cellular 703-798-4565 FAX (305) 293-2627 (305) 293-2027	Home (305) 872-7050

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OPNAVINST 5090.1B
HAZARDOUS SUBSTANCE RELEASE REPORT
("APPENDIX I" MESSAGE FORMAT) ERAP: C-11

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TAB C — NOTIFICATION FORM:

**Spill Response Notification Form
National Response Center 1-800-424-8802**

Note: It is not necessary to wait for all information before calling the NRC

TABLE ERAP C.1: SPILL RESPONSE NOTIFICATION FORM	
REPORTER INFORMATION	
Reporter's Name	
Last	
First	
Reporter's Phone Number	
Activity	
Organization Type	
Position	
Address	
Materials Released	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Confidential	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Time Call Received, Name and activity of caller	(use 24-hour time)

**TABLE ERAP C.1:
SPILL RESPONSE NOTIFICATION FORM**

INCIDENT DESCRIPTION

Source and/or Cause of Incident	
Date	
Time of Incident	(use 24-hour time)
Incident Address/Location	
Nearest City	
County	
State	
Zip Code	
Distance from City (miles)	
Section	
Township	
Range	
Container Type	
Tank Capacity (include units)	
Facility Capacity (include units)	
Facility Latitude	___ Degrees ___ Minutes ___ Seconds N
Facility Longitude	___ Degrees ___ Minutes ___ Seconds W
Weather Conditions	
Material Released	CHRIS Code — JPV (JP-5)
<input type="radio"/> YES	
<input type="radio"/> NO	
	Quantity Released — (include units)
	Material Released into Water — <input type="radio"/> YES <input type="radio"/> NO
	Quantity Released into Water — (include units)

**TABLE ERAP C.1:
SPILL RESPONSE NOTIFICATION FORM**

INCIDENT DESCRIPTION

Actions Taken to Correct Incident
(Include Activity Name)
e.g., FMU, PWC

Actions Taken to Control Incident
(Include Responders Name)
e.g., OSRO, FMU, FIRE DEPT.

Actions Taken to Mitigate Incident
(Include Responders Name)
e.g., PWC, OSRO

**TABLE ERAP C.1:
SPILL RESPONSE NOTIFICATION FORM**

IMPACT

Number of injuries	
Number of deaths	
Evacuation(s) Required	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Number Evacuated	
Was There Any Damage	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Damage in Dollars (estimated)	
Medium Affected	
Description of Affect	
Additional Information about Medium	
Additional Information Any information about the incident not recorded elsewhere in the report	

Caller Notifications

EPA	~ <input type="radio"/> YES ~ <input type="radio"/> NO
USCG	~ <input type="radio"/> YES ~ <input type="radio"/> NO
SERC	~ <input type="radio"/> YES ~ <input type="radio"/> NO
LEPC	~ <input type="radio"/> YES ~ <input type="radio"/> NO
NOSC	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Other (List)	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Other (List)	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Other (List)	~ <input type="radio"/> YES ~ <input type="radio"/> NO
Other (List)	~ <input type="radio"/> YES ~ <input type="radio"/> NO

**OPNAVINST 5090.1B CH — 2 OIL SPILL REPORT
("APPENDIX H" MESSAGE FORMAT)**

1. Precedence (for messages only). Provided that prior voice reports have been made both to the U.S. Coast Guard National Response Center and the reporting command's Chain of Command, use "Routine" precedence for Oil Spill Report Messages. If either voice report has not been made, use "Priority" precedence.

2. Classification or Special Handling Marks. Oil Spill Report Messages are unclassified and do not warrant special handling marks unless classified or sensitive business information must be incorporated. Avoid inclusion of such information to the maximum extent possible to allow Oil Spill Report Messages to be handled on a solely unclassified basis.

3. Spill Volume Classification: To better advise the Navy On-Scene Coordinator and Navy leadership of the magnitude of each oil spill, the Subject line of an Oil Spill Report Message should bear a volume estimate of the spill, if known, in the following format:

- OIL SPILL REPORT, X GALLONS, [ACTIVITY NAME] (MINIMIZE CONSIDERED); or
- OIL SPILL REPORT, UNKNOWN VOLUME, [ACTIVITY NAME] (MINIMIZE CONSIDERED);
or
- OIL SPILL REPORT, SHEEN SIGHTING (MINIMIZE CONSIDERED).

4. Updating Oil Spill Report Messages: Oil Spill Report Messages should be updated with a follow-up SITREP message as soon as the reporting activity becomes aware of new information concerning the origin, quantity, type, operation under way or cause of the spill. Similarly, ***if the final estimate of the amount spilled differs substantially from the amount initially reported***, the reporting activity must send a SITREP update message to all action and info addresses on the original spill message.

5. Action and Info Addressees:

FM: Navy Activity or Ship responsible for or discovering the spill

TO: Navy On-Scene Coordinator
Chain of Command

INFO: Area Environmental Coordinator
Host Activity
CNO WASHINGTON DC//N45//
CHINFO WASHINGTON DC//JJJ//
COMNAVSEASCOM WASHINGTON DC//00C//
NFESC PORT HUENEME CA//424//
NAVPETOFF ALEXANDRIA VA//JJJ//

(Add the following Info Addressee for spills into or upon the navigable waters of the United States, its contiguous zone [generally within 12 nautical miles of U.S. shores] and adjacent shorelines.)

COGARD NATIONAL RESPONSE CENTER WASHINGTON DC//JJJ//

6. Body of Report: Use the following format for the body of all Oil Spill Report Messages:

UNCLAS//NO5090//

SUBJ: OIL SPILL REPORT, X GALLONS, [ACTIVITY NAME] (MINIMIZE CONSIDERED) or
OIL SPILL REPORT, UNKNOWN VOLUME, [ACTIVITY NAME] (MINIMIZE CONSIDERED) or
OIL SPILL SHEEN SIGHTING, (MINIMIZE CONSIDERED)

MSGID/GENADMIN/ORIGINATOR//
RMKS/

1. LOCAL TIME AND DATE SPILL [OCCURRED/DISCOVERED].
2. [FACILITY/VESSEL] ORIGINATING SPILL:
 - For Navy ships, list ship name, hull number, and unit identification code (UIC).
 - For Navy shore facilities, list facility name, and UIC.
 - For non-Navy spills, list name of responsible party, if known.
 - For organizations under contract to Navy, list firm name and contracting Navy activity.
 - If source unknown at time of this report, list only "Unknown" until such time as definitively established.
3. SPILL LOCATION:
 - For spills at sea, list latitude, longitude, and distance to nearest land.
 - For spills in port, list port name, host naval command (NAVSTA, Shipyard), and specific location (pier or mooring designation).
 - For spills ashore, list city, state, facility name, and specific location (building designation).
4. VOLUME SPILLED IN GALLONS:
 - Estimates must be made by examining loss at source: i.e., sounding tank, calculating flow rate of spill.
 - If amount unknown at time of this report, list only "Unknown" until such time as definitively established.
 - Estimating volume by visual observation of oil on water can be very unreliable.
 - If volume estimate can only be made by visual observation of oil on water, do not report estimate here.
 - If oil/water mixture, indicate percent oil.
5. TYPE OF OIL SPILLED:
 - List whether diesel fuel marine (DFM); naval distillate; jet fuel (JP-4 or 5); aviation/automotive gasoline; automotive diesel; heating fuels (grade 1 or 2 kerosene); residual burner fuel (grade 4, 5, or 6); lubricating oil; hydraulic oil; oil/oil mixture (including slops and waste oil); oil/water mixture (including bilge waste).
 - If type unknown at time of this report, list only "Unknown" until such time as definitively established.
6. OPERATION UNDER WAY WHEN SPILL [OCCURRED/DISCOVERED]:
 - If fueling/defueling, list whether underway or in port by pipeline, truck, or barge.
 - Whether conducting internal fuel oil transfer operations (including movement from one storage tank to another); pumping bilges; conducting salvage operations; aircraft operations; or "Other" (specify).
 - If operation unknown at time of this report, list only "Unknown" until such time as definitively established.

7. SPILL CAUSE:

- Classify the cause of the spill by citing one or more of the following categories and then provide a narrative description of specific spill cause: structural; electrical; hose; valve/fitting; tank level indicator; oil/water separator/oil content monitor; other equipment (specify component that failed); collision, grounding, or sinking; valve misalignment; monitoring error; procedural/communications error; chronic/recurring; or weather related.
- If cause unknown at time of this report, list only "Unknown" until such time as definitively established.

8. SLICK DESCRIPTION AND MOVEMENT:

- Size: length and width (yards or nm) and percentage of that area covered.
- Color: silver transparent, gray, rainbow, blue, dull brown, dark brown, black, brown-orange mousse.
- Odor: noxious, light, undetectable.
- Slick movement: set (degrees true toward) and drift (knots).

9. SPILL ENVIRONMENT:

- Weather: clear, overcast, partly-cloudy, rain, snow, etc.
- Prevailing wind at scene: direction (degrees true from), speed (knots), fetch (yards or nautical miles).
- Air and water temperature: indicate ice cover.
- Sea state: Beaufort Force number.
- Tide: high, low, ebb, flood, or slack/Current: set (degrees true toward) and drift (knots).

10. AREAS DAMAGED OR THREATENED:

- Body of water, area, or resources threatened or affected.
- Nature and extent of damage to property, wildlife, or other natural resources (if any).

11. TELEPHONIC REPORT TO NATIONAL RESPONSE CENTER [WAS/WAS NOT] MADE:

- If not made, provide reason why: beyond 12 nm from U.S. shores, no threat to navigable water, etc.
- If made, list: DTG of telephonic report; NRC report/case number; name of NRC official taking report; and
- Navy Command making telephonic report.

12. SAMPLES [WERE/WERE NOT TAKEN]:

- If taken, identify location(s) from which taken: tanks, hoses, piping, slip, jetty, etc.
- If taken, identify collecting officer by name, rank, and agency.

13. CONTAINMENT METHOD (PLANNED/USED):

- If none, state reason.
- Otherwise, indicate equipment utilized: boom; ship's hull; camel; water spray; chemical agent.

14. SPILL REMOVAL METHOD (PLANNED/USED):

- If none, state reason.
- Equipment planned/used: Rapid Response Skimmer or Dip 3001 skimmer; portable skimmer, absorbent materials (oil absorbent pads, chips, etc.); dispersants; vacuum trucks/pumps; other (specify).

15. VOLUME OF PRODUCT RECOVERED IN GALLONS: (Decanted pure product.)

16. PARTIES PERFORMING SPILL REMOVAL:

- Identify lead organization in charge: Navy Command; USCG; EPA.
- Identify all other parties involved: commercial firms; supporting Navy activities; state or local agencies.

17. FEDERAL, STATE, OR LOCAL REGULATORY ACTIVITY DURING THIS INCIDENT:

- Identify by name and agency any official attending on-scene or making telephonic inquiry.
- Note whether officials boarded vessel and include date, time, and spaces inspected.

18. ASSISTANCE REQUIRED/ADDITIONAL COMMENTS:

19. LESSONS LEARNED: How could this spill have been avoided?

20. ACTIVITY CONTACT FOR ADDITIONAL INFORMATION: List name, rank/rate, command, code, DSN, and/or commercial telephone numbers.

**OPNAVINST 5090.1B CH — 2 HAZARDOUS SUBSTANCE RELEASE REPORT
("APPENDIX I" MESSAGE FORMAT)**

1. Precedence (for messages only). Provided that prior voice reports have been made to the U.S. Coast Guard National Response Center and the reporting command's Chain of Command, use "Routine Precedence" for Hazardous Substance (HS) Release Report Messages not classified as an "Extremely Hazardous Substance." If either voice report has not been made, use "Priority Precedence." If Extremely Hazardous Substance, always use "Priority Precedence."

2. Classification or Special Handling Marks. HS Release Report Messages are unclassified and do not warrant special handling marks unless classified or sensitive business information must be incorporated. Avoid inclusion of such information to the maximum extent possible to allow HS Release Report Messages to be handled on a solely unclassified basis.

3. Correcting HS Release Report Messages: HS Release Report Messages should be updated with a follow-up SITREP Message as soon as the reporting activity becomes aware of new information concerning the origin, amount, nature of substance, type of operation at source or cause of release. Similarly, ***if the final estimate of the amount released differs substantially from the amount initially reported***, the reporting activity must send a SITREP update message to all action and info addresses on the original message.

4. Action and Info Addressees:

FM: Navy Activity or Ship responsible for or discovering the spill

TO: Navy On-Scene Coordinator
Chain of Command

INFO: Area Environmental Coordinator
Host Activity
CNO WASHINGTON DC//N45//
CHINFO WASHINGTON DC//JJJ//
COMNAVSEASYS COM WASHINGTON DC//00C//
NFESC PORT HUENEME CA//424//
LEGSVSSUPGRU OGC//ELO//

(Add the following Info Addressee for releases into or upon the navigable waters of the United States, its contiguous zone [generally within 12 nautical miles of U.S. shores] and adjacent shorelines.)

COGARD NATIONAL RESPONSE CENTER WASHINGTON DC//JJJ//

5. Body of Report: Use the following format for the body of all HS Release Report Messages:

UNCLAS//N05090//

SUBJ: HAZARDOUS SUBSTANCE RELEASE REPORT (REPORT SYMBOL OPNAV 5090-3)
(MIN: CONSIDERED)

MSGID/GENADMIN/ORIGINATOR//
RMKS/

1. LOCAL TIME AND DATE RELEASE [OCCURRED/DISCOVERED]:

2. [FACILITY/VESSEL] ORIGINATING RELEASE:
 - For Navy ships, list ship name, hull number, and unit identification code (UIC).
 - For Navy shore facilities, list facility name, and UIC.
 - For release occurring during transportation, list name of activity responsible for shipment.
 - For non-Navy spills, list name of responsible party, if known.
 - For organizations under contract to Navy, list firm name, and contracting Navy activity.
 - If source unknown at time of this report, **list only "Unknown"** until such time as definitively established.

3. RELEASE LOCATION:
 - For release at sea, list latitude, longitude, and distance to nearest land.
 - For release in port, list port name, host naval command (NAVSTA, Shipyard), and specific location.
 - For release ashore, list city, state, facility name, and specific location (building designation).
 - For release during transportation, give exact location (highway mile marker or street number and city).

4. AMOUNT RELEASED:
 - Use convenient units of weight or volume (kg, lb, gallons, liters, etc.)
 - For continuous release, estimate rate of release and amount left in container.
 - Estimates should be made by examining loss at source: sounding tank, calculating flow rate of spill.
 - **Unreliable estimates of volume using visual observation of HS on water may not be reported here.**
 - If amount unknown at time of this report, **list only "Unknown"** until such time as definitively established.

5. HAZARDOUS SUBSTANCE RELEASED:
 - If Extremely Hazardous Substance, headline this paragraph "EXTREMELY HAZARDOUS SUBSTANCE RELEASED": See Chapter 10, Subsection 10-4.2 for additional notification requirements.
 - Consult container labels, user directions, reference books, expert advice.
 - Provide chemical/product names, formula, synonym, physical/chemical characteristics, and inherent hazards.
 - "Container label identifies substance as acrylonitrile. Synonyms: cyansethylene, vintleyanide. Characteristics/hazards: poisonous liquid and vapor, skin irritant, highly reactive/flammable."
 - Describe appearance, physical/chemical characteristics, actual/potential hazards observed. For example:
 - "Substance released is colorless to light yellow unidentified liquid; highly irritating to eyes and nose; smells like kernels of peach pits; vaporizing quickly, posing ignition problem."

6. TYPE OF OPERATION AT SOURCE: Plating shop, painting shop, hazardous waste (HW) facility, truck, ship, pipeline, ship rebuilding, entomology shop, etc.

7. CAUSE OF RELEASE:
 - Provide narrative description of specific cause of release.
 - Account for personnel error, equipment failure, etc., directly contributing to release.
 - For example: "Railing supporting 55-gal drums on a flatbed truck gave way because it was not securely fastened, causing seven drums to fall and rupture."
 - If cause unknown at time of this report, **list only "Unknown"** until such time as definitively established.

8. TYPE OF CONTAINER FROM WHICH SUBSTANCE ESCAPED:
- 55-gal drums, 5-lb. bags, tank truck, storage tank, can, etc.
 - Estimate number of containers damaged or dangerously exposed.
9. RELEASE ENVIRONMENT:
- Describe scene of release.
 - Include information on physical characteristics, size, and complexity of release and weather conditions.
 - For Example: "Solvent released formed shallow pool covering area about 30 ft by 45 ft of bare concrete. Solvent slowly running into storm drain. Pool emitting highly toxic, flammable vapors. Dark clouds, threatening rain. Light wind drifting vapors northbound to residential area about 30 ft above ground."
10. AREAS DAMAGED OR THREATENED:
- Describe actual and potential danger or damage to surrounding environment,
 - Identify body of water, area, or resources threatened or affected.
 - Nature and extent of damage to property, wildlife, or other natural resources (if any).
11. NOTIFICATIONS MADE AND ASSISTANCE REQUESTED:
- List all organizations informed of release within and beyond Navy jurisdiction.
 - Include Navy, federal, state, and local authorities, response teams, fire departments, hospitals, etc.
 - Specify type of assistance requested from these organizations.
 - If telephonic report to National Response Center made, list: DTG of telephonic report; NRC report/case number; name of NRC official taking report; and Navy Command making telephonic report.
12. FIELD TESTING:
- Indicate findings and conclusions as to concentration, pH, etc.
13. CONTROL AND CONTAINMENT ACTIONS [PLANNED/TAKEN]:
- If none, explain why.
 - Specify method used to control and contain release.
 - For example: "Gas barriers used to control and contain vapor emissions. Runoff contained by excavating ditch circumscribing affected area."
14. CLEANUP ACTIONS [PLANNED /TAKEN]:
- If none, explain why.
 - Identify on-site or off-site treatment, method used, parties involved in cleanup/removal, and disposal area.
 - For example: "No cleanup action taken. Toxic vapors present, potential danger to cleanup crew. Contaminated soil will be excavated and shipped by NAS personnel to Class I HW disposal site in Portstown, CA when conditions allow."
15. AMOUNT OF SUBSTANCE RECOVERED [VOLUME/WEIGHT] (Pure product.):
16. PARTIES PERFORMING [CONTAINMENT/CLEANUP] ACTIVITIES:
- Identify lead organization in charge: Navy Command; USCG; EPA.
 - Identify all other parties involved: commercial firms; supporting Navy activities; state or local agencies.

17. FEDERAL, STATE OR LOCAL REGULATORY ACTIVITY DURING THIS INCIDENT:

- Identify by name and agency, any regulatory official attending on-scene or making telephonic inquiry.
- Note whether officials boarded vessel and include date, time, and spaces inspected.

18. ASSISTANCE REQUIRED/ADDITIONAL COMMENTS.

19. LESSONS LEARNED: How could this release have been avoided?

20. ACTIVITY CONTACT FOR ADDITIONAL INFORMATION: List name, rank/rate, command, code, DSN, and/or commercial telephone numbers.

Adobe Acrobat

You can fill out this form in Acrobat Reader and then print the form with the data from the Reader.

Note that you can NOT use the **Save** or **Save As** function with **Acrobat Reader**. If you want a copy for your records, please print an extra copy of the form.

To fill out a form:

- (1) Select the hand tool . 
- (2) Position the pointer inside a form field, and click. The I-beam pointer allows you to type text. The arrow pointer allows you to select a button, a check box, a radio button, or an item from a list.
- (3) After entering text or selecting an item, check box, or radio button, do one of the following:
 - Press **Tab** to go to the next form field.
 - Press **Shift+Tab** to go to the previous form field.
 - In a multi-line text form field, **Enter** or **Return** goes to the next line in the same form field. You can use **Enter** on the keypad to accept a change and deselect the current form field.
 - Press **Escape** to reject the form field change and deselect the current form field.
 - If you are in Full Screen mode, pressing **Escape** a second time causes you to exit Full Screen mode.
- (4) Once you have filled in the appropriate form fields, do the following:
 - Select the print tool  for a copy of the form for mailing or to keep for your records.

To clear a form in a browser window:

Exit the Acrobat viewer and start again.

Important: There is no undo for this action.



Discharge Report Form

PLEASE PRINT OR TYPE

DEP Form # 62-761.900(1)

Form Title Discharge Report Form

Effective Date: July 13, 1998

Instructions are on the reverse side. Please complete all **applicable** blanks

1. Facility ID Number (if registered): _____ 2. Date of form completion: _____

3. General information

Facility name or responsible party (if applicable): _____

Facility Owner or Operator, or Discharger: _____

Contact Person: _____ Telephone Number: () _____ County: _____

Facility or Discharger Mailing Address: _____

Location of Discharge (street address): _____

Latitude and Longitude of Discharge (if known) _____

4. Date of receipt of test results or discovery of confirmed discharge: _____ month/day/year

5. Estimated number of gallons discharged: _____

6. Discharge affected: Air Soil Groundwater Drinking water well(s) Shoreline Surface water (water body name) _____

7. Method of discovery (check all that apply)

- Liquid detector (automatic or manual)
- Vapor detector (automatic or manual)
- Tightness test
- Pressure test
- Statistical Inventory Reconciliation
- Internal inspection
- Inventory control
- Monitoring wells
- Automatic tank gauging
- Manual tank gauging
- Closure/Closure Assessment
- Groundwater analytical samples
- Soil analytical tests or samples
- Visual observation
- Other _____

8. Type of regulated substance discharged: (check one)

- Unknown
- Gasoline
- Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives (write in name or Chemical Abstract Service (CAS) number) _____
- Other _____
- Used/waste oil
- Aviation gas
- Jet fuel
- Diesel
- Heating oil
- Kerosene
- New/lube oil
- Mineral acid

9. Source of Discharge: (check all that apply)

- Dispensing system
- Tank
- Unknown
- Other _____
- Pipe
- Fitting
- Valve failure
- Barge
- Tanker ship
- Other Vessel
- Pipeline
- Railroad tankcar
- Tank truck
- Vehicle
- Airplane
- Drum

10. Cause of the discharge: (check all that apply)

- Loose connection
- Fire/explosion
- Other _____
- Puncture
- Overfill
- Spill
- Human error
- Collision
- Vehicle Accident
- Corrosion
- Installation failure

11. Actions taken in response to the discharge: _____

12. Comments: _____

13. Agencies notified (as applicable):

- State Warning Point 1-800 320-0519
- National Response Center 1-800-424-8802
- Florida Marine Patrol (800) 342-5367
- Fire Department
- DEP (district/person)
- County Tanks Program

14. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

Printed Name of Owner, Operator or Authorized Representative, or Discharger

Signature of Owner, Operator or Authorized Representative, or Discharger

Oil spills to navigable waters of the United States, and releases of reportable quantities of CERCLA hazardous substances must be reported within one hour to the National Response Center or the Florida Marine Patrol. Reports to the National Response Center of oil spills to navigable waters need not be repeated to any other federal, state, or local agency. Conditions at the site that do not involve spills to navigable waters of the United States, or CERCLA hazardous substances, that pose an immediate threat to human health or the environment, must be immediately reported to the State Warning Point or the Local Fire Department. This form must be submitted for all discharges from facilities with storage tank systems, and at other sites, in accordance with Chapters 62-761 and 62-770, F.A.C. Chapter 62-761 and 62-770, F.A.C., should be consulted for specific reporting requirements.

***State Warning Point
1-800-320-0519***

***National Response Center
1-(800)-424-8802***

***Local Fire Department
(obtain local number)***

This form must be used to report any confirmed discharge, or any one of the following from a storage tank system subject to Chapter 62-761, F.A.C., unless the discharge is from a previously-known and reported discharge:

1. Results of analytical or field tests of surface water, groundwater, or soils indicating the presence of contamination by:
 - a. A hazardous substance from a UST;
 - b. A regulated substance, other than petroleum products; or
 - c. Petroleum products' chemicals of concern specified in Chapter 62-770, F.A.C.;
2. A spill or overfill event of a regulated substance to soil equal to or exceeding 25 gallons, unless the regulated substance has a more stringent reporting requirement specified in CFR Title 40, Part 302;
3. Free product or sheen of a regulated substance present in surface water, groundwater, soils, basements, sewers, and utility lines at the facility or in the surrounding area; or
4. Soils stained by regulated substances observed during a closure assessment performed in accordance with Rule 62-761.800, F.A.C.

A copy of this form must be delivered or faxed to the County within 24 hours of the discovery of a discharge, or before the close of the next business day. It is recommended that the original copy be sent in the mail. If the discharge occurs at a county-owned facility, a copy of the form must be faxed or delivered to the local FDEP District office. A discharge of petroleum or petroleum products from a source other than a regulated storage tank system must be reported within one week of discovery in accordance with Rule 62-770.250, F.A.C.

FDEP District Office Addresses:

Northwest District
160 Governmental Center
Pensacola FL. 32501-5794
Phone: 850-595-8360
FAX: 850-595-8417

Northeast District
7825 Baymeadows Way Suite B 200
Jacksonville FL. 32256-7590
Phone: 904-448-4300
FAX: 904-448-4362

Central District
3319 Maguire Blvd. Suite 232
Orlando, FL. 32803-3767
Phone: 407-894-7555
FAX: 407-897-2966

Southwest District
3804 Coconut Palm Dr.
Tampa FL. 33619-8218
Phone: 813-744-6100
FAX: 813-744-6125

South District
2295 Victoria Ave. Suite 364
Ft. Myers FL. 33901-2549
Phone: 813-332-6975
FAX: 813-332-6969

Southeast District
400 N. Congress Ave.
West Palm Beach, FL. 33416-5425
Phone: 561-681-6600
FAX: 561-681-6790

[Effective date of the rule]

Adobe Acrobat

You can fill out this form in Acrobat Reader and then print the form with the data from the Reader.

Note that you can NOT use the **Save** or **Save As** function with **Acrobat Reader**. If you want a copy for your records, please print an extra copy of the form.

To fill out a form:

- (1) Select the hand tool . 
- (2) Position the pointer inside a form field, and click. The I-beam pointer allows you to type text. The arrow pointer allows you to select a button, a check box, a radio button, or an item from a list.
- (3) After entering text or selecting an item, check box, or radio button, do one of the following:
 - Press **Tab** to go to the next form field.
 - Press **Shift+Tab** to go to the previous form field.
 - In a multi-line text form field, **Enter** or **Return** goes to the next line in the same form field. You can use **Enter** on the keypad to accept a change and deselect the current form field.
 - Press **Escape** to reject the form field change and deselect the current form field.
 - If you are in Full Screen mode, pressing **Escape** a second time causes you to exit Full Screen mode.
- (4) Once you have filled in the appropriate form fields, do the following:
 - Select the print tool  for a copy of the form for mailing or to keep for your records.

To clear a form in a browser window:

Exit the Acrobat viewer and start again.

Important: There is no undo for this action.



Incident Notification Form

DEP Form # 62-761.900(6)

Form Title Incident Notification Form

Effective Date: July 13, 1998

PLEASE PRINT OR TYPE

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): _____ 2. Date of form completion: _____

3. General information

Facility name: _____
Facility Owner or Operator: _____
Contact Person: _____ Telephone number: () _____ County: _____
Facility mailing address: _____
Location of incident (facility street address): _____
Latitude and Longitude of incident (If known.): _____

4. Date of Discovery of incident: _____ month/day/year

5. Monitoring method that indicates a possible release or an incident: (check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> Liquid detector (automatic or manual) | <input type="checkbox"/> Groundwater samples | <input type="checkbox"/> Closure |
| <input type="checkbox"/> Vapor detector (automatic or manual) | <input type="checkbox"/> Monitoring wells | <input type="checkbox"/> Inventory control |
| <input type="checkbox"/> Tightness test | <input type="checkbox"/> Internal inspection | <input type="checkbox"/> Statistical Inventory Reconciliation |
| <input type="checkbox"/> Pressure test | <input type="checkbox"/> Odors in the vicinity | <input type="checkbox"/> Groundwater analytical samples |
| <input type="checkbox"/> Breach of integrity test | <input type="checkbox"/> Automatic tank gauging | <input type="checkbox"/> Soil analytical tests or samples |
| <input type="checkbox"/> Visual observation | <input type="checkbox"/> Manual tank gauging | <input type="checkbox"/> Other _____ |

6. Type of regulated substance stored in the storage system: (check one)

- | | | |
|--------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Diesel | <input type="checkbox"/> Used/waste oil | <input type="checkbox"/> New/lube oil |
| <input type="checkbox"/> Gasoline | <input type="checkbox"/> Aviation gas | <input type="checkbox"/> Kerosene |
| <input type="checkbox"/> Heating oil | <input type="checkbox"/> Jet fuel | <input type="checkbox"/> Other _____ |
- Hazardous substance - includes CERCLA substances, pesticides, ammonia, chlorine, and their derivatives, and mineral acids.
(write in name or Chemical Abstract Service (CAS) number) _____

7. Incident involves or originated from a: (check all that apply)

- | | | | | |
|---|---|--|--------------------------------|---|
| <input type="checkbox"/> Tank | <input type="checkbox"/> Unusual operating conditions | <input type="checkbox"/> Dispensing equipment | <input type="checkbox"/> Pipe | <input type="checkbox"/> Overfill protection device |
| <input type="checkbox"/> Piping sump | <input type="checkbox"/> Release detection equipment | <input type="checkbox"/> Secondary containment system | <input type="checkbox"/> Other | <input type="checkbox"/> Dispenser Liners |
| <input type="checkbox"/> Loss of >100 gallons to an impervious surface other than secondary containment | | <input type="checkbox"/> Loss of >500 gallons within secondary containment | | |

8. Cause of the incident, if known: (check all that apply)

- | | | | |
|---|--|---|--------------------------------------|
| <input type="checkbox"/> Overfill (<25 gallons) | <input type="checkbox"/> Spill (<25 gallons) | <input type="checkbox"/> Theft | <input type="checkbox"/> Corrosion |
| <input type="checkbox"/> Faulty Probe or sensor | <input type="checkbox"/> Human error | <input type="checkbox"/> Installation failure | <input type="checkbox"/> Other _____ |

9. Actions taken in response to the incident: _____

10. Comments: _____

11. Agencies notified (as applicable):

- | | | |
|---|--|--|
| <input type="checkbox"/> Fire Department. | <input type="checkbox"/> Local Program | <input type="checkbox"/> DEP (district/person) |
|---|--|--|

12. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

Printed Name of Owner, Operator or Authorized Representative

Signature of Owner, Operator or Authorized Representative.

Instructions for completing the Incident Notification Form

This form must be completed to notify the County of all incidents, or of the following suspected releases:

1. A failed or inconclusive tightness, pressure, or breach of integrity test,
2. Internal inspection results, including perforations, corrosion holes, weld failures, or other similar defects that indicate that a release has occurred.
3. Unusual operating conditions such as the erratic behavior of product dispensing equipment, the sudden loss of product from the storage tank system, or any unexplained presence of water in the tank, unless system equipment is found to be defective but not leaking;
4. Odors of a regulated substance in surface or groundwater, soils, basements, sewers and utility lines at the facility or in the surrounding area;
5. The loss of a regulated substance from a storage tank system exceeding 100 gallons on impervious surfaces other than secondary containment, driveways, airport runways, or other similar asphalt or concrete surfaces;
6. The loss of a regulated substance exceeding 500 gallons inside a dike field area with secondary containment; and
7. A positive response of release detection devices or methods described in Rule 62-761.610, F.A.C., or approved under Rule 62-761.850, F.A.C. A positive response shall be the indication of a release of regulated substances, an exceedance of the Release Detection Response Level or a breach of integrity of a storage tank system.

If the investigation of an incident indicates that a discharge did not occur (for example, the investigation shows that the situation was the result of a theft or a malfunctioning electronic release detection probe), then a letter of retraction should be sent to the County within fourteen days with documentation that verifies that a discharge did not occur. If within 24 hours of an incident, or before the close of the County's next business day, the investigation of the incident does not confirm that a discharge has occurred, an Incident Report Form need not be submitted.

A copy of this form must be delivered or faxed to the County within 24 hours of the discovery of an incident, or before the close of the next business day. It is recommended that the original copy be sent in the mail. If the incident occurs at a county-owned facility, a copy of the form must be faxed or delivered to the local DEP District office.

DEP District Office Addresses:

Northwest District
160 Governmental Center
Pensacola FL. 32501-5794
Phone: 850-595-8360
FAX: 850-595-8417

Northeast District
7825 Baymeadows Way Suite B 200
Jacksonville FL. 32256-7590
Phone: 904-488-4300
FAX: 904-488-4366

Central District
3319 Maguire Blvd. Suite 232
Orlando, FL. 32803-3767
Phone: 407-894-7555
FAX: 407-897-2966

Southwest District
3804 Coconut Palm Dr.
Tampa FL. 33619-8218
Phone: 813-744-6100
FAX: 813-744-6125

South District
2295 Victoria Ave. Suite 364
Ft. Myers FL. 33901-2549
Phone: 813-332-6975
FAX: 813-332-6969

Southeast District
400 N. Congress Ave.
West Palm Beach, FL. 33416-5425
Phone: 561-681-6600
FAX: 561-681-6790

(02/01/98)

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GENERIC EMERGENCY RESPONSE ACTION PLAN

GENERIC OHS SPILL RESPONSE PROCEDURES

NOTE: This section contains procedures that are generally applicable to Naval Air Station Key West facilities.

The procedures listed may not be appropriate in all cases. Additional facility-specific guidance is provided at the end of this section for USCG regulated marine transportation related facilities (see FRP Tab 15) and EPA non-transportation related facilities. Specific hazardous substance response guides are provided in Annex 1.

TABLE ERAP D.1: GENERIC RESPONSE PROCEDURES FOR SPILLER/DISCOVERER ACTIONS	
CONDITION	ACTIONS
Unless properly trained and authorized, do not try to combat any spill. Sound alarm, report the spill, and standby until the response team arrives. See ANNEX 1 for specific hazardous substance response procedures.	<ul style="list-style-type: none"> • If imminent danger to life or property, or if fire threatens or starts, activate nearest fire alarm and evacuate upwind/upgrade to a safe distance. • Rescue any injured persons, if safe to do so. • Report spill immediately to IRT: Phone (305) 293-2776 • Pass the word to people in adjacent spaces. • Stop source of spill or leak if possible and if safe to do so. • Restrict all ignition sources if flammable vapors present or expected. • If properly trained and authorized, initiate available on-site measures to minimize the spread of contaminants. Otherwise, standby until emergency response personnel arrive on scene. Provide known details of spill when assistance arrives.

TABLE ERAP D.2: GENERIC RESPONSE PROCEDURES FOR IMMEDIATE RESPONSE TEAM (IRT) DISPATCHER	
CONDITION	ACTIONS
Actions after spill report received.	<ul style="list-style-type: none"> • Activate IRT and provide known spill details and location of spill site. • Immediately notify FIC, TAB B. • Standby to activate/alert facility response/cleanup team, spill management team, security, hospital, response contractors, and other resources as directed by the FIC or Alternate FIC. Use Notification List, TAB B.

TABLE ERAP D.3: GENERIC RESPONSE PROCEDURES FOR IMMEDIATE RESPONSE TEAM (IRT)	
CONDITION	ACTIONS
<p>Initial actions at spill site.</p> <p>The fire chief, or senior fire official, will assume the duties of the FIC and take control of the spill until the FIC arrives on site. Some response actions will be performed concurrently.</p>	<ul style="list-style-type: none"> • Rescue any injured individuals if rescue can be performed safely. • Secure the spill area to prevent unauthorized entry. • Stop the spill source, if not already accomplished. • Take whatever measures necessary and possible to prevent the spill from spreading: Mat storm drains; sandbag or otherwise block drainage ditches or other pathways leading to water courses or sensitive environmental areas; deploy sorbent boom; construct diversion channels; etc. See Drainage Map in TAB J for location of shut-offs and other drainage controls. • Quickly determine the need to evacuate all or part of the facility/nearby community and implement the evacuation procedures outlined in TAB I as necessary. • Restrict all sources of ignition if flammable vapors are present or suspected. • Return to station when relieved by response/cleanup team and/or as directed by FIC.

TABLE ERAP D.4: GENERIC RESPONSE PROCEDURES FOR FACILITY INCIDENT COMMANDER

CONDITION	ACTIONS
<p>Assume responsibility for incident management from the Fire Chief once on scene</p>	<ul style="list-style-type: none"> • Quickly assess spill site and consult with fire chief and other on-site IRT personnel to determine the need for additional resources or containment measures. • Ensure that tests for combustible gases and type of oil are made. • Ensure that the source of spill has or is being stopped where possible. • Ensure that proper containment and mitigation measures are being employed. • Activate facility response/cleanup team as needed. Notification List TAB B. • Activate facility spill management team as needed. Notification List – TAB B. • If spill has escaped, or is threatening to escape on-site containment measures, ensure that appropriate resources are available and ready to be deployed in accordance with the priority for protection of sensitive areas established in TAB G. • Ensure notification of the National Response Center. • Notify NOSC and advise if outside resources will be needed. • Establish command/communication center as spill size or conditions warrant. • Depending on the size and anticipated impact of the spill and resources needed, utilize appropriate checklists (ANNEX 2) to ensure that: <ul style="list-style-type: none"> — Documentation of the response effort is maintained. — Regulatory agencies are notified. — Pollution reports are filed. — Command center is established as required. — Communication system is established. — Security is in place. — Public affairs team is on-site and coordinating the external communication flow. — Staging areas for outside resources are cleared and are available.
<p>Assume responsibility for incident management from Fire Chief once on scene</p>	<ul style="list-style-type: none"> — Funding sources and amounts are identified and are available. — Technical assistance is available. — Containment for removed oil and contaminated debris is available. — Disposal operations are underway. — Permits for disposal/incinerations, etc., are applied for. — Medical/health/safety personnel are on-site or are available for support. — Aircraft support is available. — Legal support is available. — Weather reports are available. — Wildlife hazing/rehabilitation resources are available. — Coordination with regulatory officials is being maintained.

TABLE ERAP D.5: GENERIC RESPONSE PROCEDURES FOR FACILITY RESPONSE TEAM	
CONDITION	ACTIONS
ALL	<ul style="list-style-type: none"> Report to spill site, Command Center, or other location as directed by IRT Dispatcher, for work assignment by the FIC or Section Chiefs (SCs). If the FIC or SCs have not arrived on site, report to the Fire Chief or Senior Fire Official. Perform duties as assigned in a safe and efficient manner. Ensure that all collected oil or contaminated debris is properly stored, pending disposal, to prevent further contamination. Maintain communication chain as directed by the FIC or Operations Chief.

TABLE ERAP D.6: GENERIC RESPONSE PROCEDURES FOR FACILITY SPILL MANAGEMENT TEAM	
CONDITION	ACTIONS
ALL	<ul style="list-style-type: none"> Report to spill site, Command Center, or other location as directed by IRT Dispatcher, for briefing and work assignment by the FIC. Perform duties as assigned in such a manner that information and guidance provided to the FIC is clear, concise, and contributes to the overall objectives established for the response.

TABLE ERAP D.7: GENERIC RESPONSE PROCEDURES FOR OTHER FACILITY RESPONSE PERSONNEL	
CONDITION	ACTIONS
ALL	<ul style="list-style-type: none"> Report to spill site, Command Center, or other location as directed by IRT Dispatcher, for briefing and work assignment by the FIC. Perform duties as assigned in such a manner that information and guidance provided to the FIC is clear, concise, and contributes to the overall objectives established for the response.

USCG MTR FACILITY EMERGENCY RESPONSE ACTION PLAN

USCG MTR FACILITY RESPONSE PROCEDURES

MTR FACILITY TIERED DISCHARGE PLANNING VOLUMES		
TYPE OF OIL	DISCHARGE PLANNING TIER	DISCHARGE VOLUME (GALS)
I	AVERAGE MOST PROBABLE DISCHARGE	80
I	MAXIMUM MOST PROBABLE DISCHARGE	800
I	WORST-CASE DISCHARGE	8,000

NOTE:

See Appendix C in the FRP for the basis and computation of the tiered discharge planning volumes.

IMMEDIATE ACTION PLAN:

TABLE ERAP D.8: IMMEDIATE ACTIONS FOR MANIFOLD, LOADING ARM, TRANSFER HOSE AND OTHER TRANSFER EQUIPMENT FAILURES		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Notify pump operator to shut down pump(s) • Slowly close flow control valves <u>after shutting off pumps</u> • If there is a spill, secure all sources of ignition and spill area • Slowly close nearest flow control valves to isolate the source of the spill • If spill occurs outside of containment or curbed areas on the pier, block pier drains with sorbent pads or rolls • Contain spill on pier with sorbent pads, sheets, or rolls • If spill is contained within containment or curbed areas, verify containment and open containment drainage valves to discharge spill into the pier oil holding tank • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water • If effective, use available containers to collect a spill that is occurring outside of containment or the curbed areas 	Fuel Operators

TABLE ERAP D.9: IMMEDIATE ACTIONS FOR VESSEL TANK OVERFILL		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Notify facility pump operator to shut down pump(s) • Slowly close facility tank flow control valve • Secure all sources of ignition and spill area • Contain and cleanup spill on vessel using sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators

TABLE ERAP D.10: IMMEDIATE ACTIONS FOR FACILITY TANK OVERFILL		
CONDITION	ACTIONS	JOB TITLE
Not Applicable	<ul style="list-style-type: none"> • Notify vessel pump operator to shut down pump(s) • Slowly close overfilled tank flow control valve <u>after shutting off pumps</u> • Close pier riser flow control valve • Verify closure of the secondary containment drainage valve if applicable • Secure all sources of ignition and spill area • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources • Pump oil from the overfilled tank into another fuel farm tank that has available storage space 	Fuel Operators

TABLE ERAP D.11: IMMEDIATE ACTIONS FOR VESSEL TANK FAILURE		
CONDITION	ACTIONS	JOB TITLE
During Vessel Loading	<ul style="list-style-type: none"> • Notify facility pump operator to shut down pump(s) • Slowly close facility tank flow control valve • Secure all sources of ignition and spill area • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water • Transfer the oil in the failed vessel tank to another vessel tank or, if possible, pump water into the tank to stop spill by raising level of oil above the failure point • If necessary, realign valves to offload contents in the failed vessel tank to a tank truck 	Fuel Operators

TABLE ERAP D.12: IMMEDIATE ACTIONS FOR PIPING RUPTURE		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Notify pump operator to shut down pump(s) • Secure all sources of ignition and spill area • Slowly close flow control valves to isolate the ruptured section of piping • If spill from rupture is into curbed containment area on dock, verify containment and drain spill into dock holding tank • If rupture occurs at a piping location outside containment, cover or block storm water drains and sewer manholes or block drainage ditches as necessary • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators

TABLE ERAP D.13: IMMEDIATE ACTIONS FOR PIPING LEAK UNDER PRESSURE		
CONDITION	ACTIONS	JOB TITLE
During Vessel Transfers	<ul style="list-style-type: none"> • Notify pump operator to shut down pump(s) • Slowly close flow control valves <u>after shutting off pumps</u> • Secure all sources of ignition and spill area • Use drip pans or other containers to collect leak • Contain spill outside of containment with sorbent pads, sheets, or rolls • If feasible, use a portable pump and a holding tank to reduce affected pipe section pressure to atmospheric pressure • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators
During Static Conditions	<ul style="list-style-type: none"> • Secure all sources of ignition and spill area • Use drip pans or other containers to collect leak • Contain spill outside of containment with sorbent pads, sheets, or rolls • Verify closure of nearest flow control valves and isolation of leaking section of piping • If feasible, use a portable pump and holding tank to reduce affected pipe section pressure to atmospheric pressure • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators

**TABLE ERAP D.14:
IMMEDIATE ACTIONS FOR OTHER EQUIPMENT FAILURES, SUCH AS PUMPS,
RELIEF VALVES, FLOW CONTROL VALVES, FLANGES, ETC.**

CONDITION	ACTIONS	JOB TITLE
Pump Failure	<ul style="list-style-type: none"> • Switch to backup pump • If unable to use a backup pump, shut down pump • Slowly close flow control valves <u>after shutting off pump</u> to Cease transfer operation • Secure ignition sources and spill area • Verify spill containment in the pump sump • Drain spill in pump sump to holding tank or use sorbents to further contain and collect spill • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators
Pumping Equipment Leaks	<ul style="list-style-type: none"> • If unable to stop leak (e.g., by taking up packing nuts for a packing leak) switch to backup pump • If unable to use a backup pump, shut down pump • Slowly close flow control valves <u>after shutting off pump</u> to cease transfer operation • If effective, use drip pans or other containers to collect leak from pump • Drain spill in pump sump to holding tank or use sorbents to further contain and collect spill • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators
Relief Valve Failure During Transfer Operations	<ul style="list-style-type: none"> • Notify pump operator to shut down pump(s) • Slowly close flow control valves <u>after shutting off pump</u> to cease transfer operation • Secure all sources of ignition and spill area • Cover or block storm drains and sewer manholes or block drainage ditches as necessary • If feasible, use a portable pump and a holding tank to reduce affected pipe section pressure to atmospheric pressure • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators

**TABLE ERAP D.14
IMMEDIATE ACTIONS FOR OTHER EQUIPMENT FAILURES, SUCH AS PUMPS,
RELIEF VALVES, FLOW CONTROL VALVES, FLANGES, ETC.**

CONDITION	ACTIONS	JOB TITLE
Relief Valve Failure During Static Conditions	<ul style="list-style-type: none"> • Secure all sources of ignition and spill area • Cover or block storm drains and sewer manholes or block drainage ditches as necessary • Verify closure of nearest flow control valves and isolation of leaking section of piping • If feasible, use a portable pump and holding tank to reduce affected pipe section pressure to atmospheric pressure • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators
Flow Control Valves, Flanges and Other Equipment Failure	<ul style="list-style-type: none"> • Stop leak where possible (e.g., by tightening bolts) • If spill occurs during a transfer operation, shut off pumping equipment and then close nearest isolation or flow control valves to isolate affected equipment • Secure all sources of ignition and spill area • Cover or block storm drains and sewer manholes or block drainage ditches as necessary • If effective, use drip pans or other containment equipment to contain and collect the spill • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information; notify immediately after securing flow and ignition sources when the spill is into water 	Fuel Operators

TABLE ERAP D.15: IMMEDIATE ACTIONS FOR EXPLOSIONS OR FIRES		
CONDITION	ACTIONS	JOB TITLE
All	<ul style="list-style-type: none"> • Activate fire alarm • If incident occurs at pipeline manifold or pumping facility, shut off power to facility and close valves • If electrical fire involved, shut off electrical power • If incident occurs during a transfer operation, notify pump operator to shut off pumping equipment and close nearest block or flow control valves • Evacuate to a safe distance and account for personnel • Secure area, stay upwind and keep out of low areas • Notify Fire Department IRT Dispatcher with required information (e.g., Material Safety Data Sheets); notify immediately after securing flow and ignition sources • Remove or secure other sources of ignition <u>if possible and safe to accomplish</u> • Remove incompatible and flammable materials <u>if possible and safe to accomplish</u> • Use fire extinguishers <u>if trained to use and it is safe and appropriate</u> 	Fuel Operators

EPA NTR FACILITY EMERGENCY RESPONSE ACTION PLAN

EPA NTR FACILITY RESPONSE PROCEDURES

NOTE: This section contains oil spill response procedures that are applicable to Key West Naval Air Station non-transportation-related petroleum facilities.

NTR FACILITY RESPONSE PLANNING VOLUMES		
TYPE OF OIL	RESPONSE PLANNING LEVEL	DISCHARGE VOLUME (GALS)
I	SMALL DISCHARGE	2,100
I	MEDIUM DISCHARGE	30,183
I	WORST-CASE DISCHARGE	301,835

NOTE:
See Appendix C of the FRP for the basis and computation of the response planning volumes.

IMMEDIATE ACTION PLAN:

TABLE ERAP D.16: IMMEDIATE ACTIONS FOR BULK FUEL STORAGE TANK FAILURE		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Shut down vessel pump (if offloading vessel) or facility pump (if loading vessel or transferring to another tank or intrafacility loading area) • Verify closure of containment drainage valve and verify spill containment within the secondary containment system • Secure all sources of ignition and spill area • If possible and safe to accomplish, close tank's flow control valves • Slowly close other valves in the transfer circuit to prevent other potential equipment failures caused by the tank failure • Depending on the extent and location of the failure, consider pumping oil from the damaged tank to other tanks to reduce spill magnitude and drawdown the oil level below the failure point to stop discharge • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators
Under Static Conditions	<ul style="list-style-type: none"> • Verify closure of containment drainage valve and verify spill containment within the secondary containment system • Secure all sources of ignition and spill area • Verify closure of nearest flow control/block valves and verify that the tank is isolated from all other fuel equipment • Depending on the extent and location of the failure, consider pumping oil from the damaged tank to other tanks to reduce spill magnitude and drawdown the oil level below the failure point to stop discharge • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.17: IMMEDIATE ACTIONS FOR PIPING FAILURE		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Shut down vessel pump (if offloading vessel) or facility pump (if loading vessel or transferring to another tank or intrafacility loading area) • If spill is into a containment system, verify closure of containment drainage valve and spill containment within the secondary containment system • If failure occurs at a piping location outside containment, cover or block storm water drains and sewer manholes or block drainage ditches as necessary • Secure all sources of ignition and spill area • Slowly close nearest flow control/block valves to isolate the ruptured section of piping • Use available containers to collect spill from piping if feasible • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators
Under Static Conditions	<ul style="list-style-type: none"> • If spill is into a containment system, verify closure of containment drainage valve and spill containment within the secondary containment system • If failure occurs at a piping location outside containment, cover or block storm water drains and sewer manholes or block drainage ditches as necessary • Secure all sources of ignition and spill area • Verify closure of nearest block or flow control valves to isolate failed section of piping • Use available containers to collect spill from piping if feasible • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

**TABLE ERAP D.18:
IMMEDIATE ACTIONS FOR EQUIPMENT FAILURES SUCH AS PUMPS,
RELIEF VALVES, FLOW CONTROL VALVES, ETC.**

CONDITION	ACTIONS	JOB TITLE
Pump Failure	<ul style="list-style-type: none"> • Shut down pump • Slowly close aligned valves, <u>after shutting off pump</u>, to stop transfer operation • Secure ignition sources and spill area • Slowly close flow control/block valves to isolate pumping equipment • Verify spill containment in the pump sump • Contain spill outside of containment with sorbent pads, sheets, or rolls • Drain spill in pump sump to holding tank • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators
Pumping Equipment Leaks	<ul style="list-style-type: none"> • If unable to stop leak with available means (e.g., by taking up packing nuts for a packing leak), switch to backup pump • If unable to bypass affected equipment, shut down pump • Slowly close working storage and receiving tanks flow control valves, <u>after shutting off pump</u>, to stop transfer operation • Slowly close flow control/block valves to isolate leaking pumping equipment • If effective, use drip pans or other containers to collect spill • Drain spill in pump sump to holding tank or use sorbents to further contain and collect spill • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.18: IMMEDIATE ACTIONS FOR EQUIPMENT FAILURES SUCH AS PUMPS, RELIEF VALVES, FLOW CONTROL VALVES, ETC.		
CONDITION	ACTIONS	JOB TITLE
Relief Valve Failure During Transfers	<ul style="list-style-type: none"> • Shut down pump (vessel pump if offloading vessel or facility pump if loading vessel or transferring to intrafacility loading area) • Slowly close nearest block or flow control valves to isolate failed relief valve, <u>after shutting off pump</u> • Secure all sources of ignition and spill area • If spill is into a containment system, verify closure of containment drainage valve or ensure drain is blocked • If spill is onto open ground, cover or block storm drains and sewer manholes or block drainage ditches as necessary • Use available containers to collect spill if feasible • Contain spill outside of containment with sorbent pads, sheets, or rolls • If feasible, use a portable pump and holding tank to reduce affected pipe section pressure to atmospheric pressure • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators
Relief Valve Failure During Static Conditions	<ul style="list-style-type: none"> • Secure all sources of ignition and spill area • Cover or block storm drains and sewer manholes or block drainage ditches as necessary • Verify closure of nearest flow control/block valves and isolation of leaking section of piping • If feasible, use a portable pump and holding tank to reduce affected pipe section pressure to atmospheric pressure • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators
Flow Control Valves, Flanges and Other Equipment Failure	<ul style="list-style-type: none"> • Stop leak where possible (e.g., by tightening bolts) • If spill occurs during a transfer operation, shut off pumps and then slowly close nearest block or flow control valves to isolate affected equipment • If spill occurs during static conditions, verify closure of nearest flow control/block valves and isolation of affected equipment • Secure all sources of ignition and spill area • Cover or block storm drains and sewer manholes or block drainage ditches as necessary • If effective, use drip pans or other containment equipment to contain and collect the spill • Contain spill outside of containment with sorbent pads, sheets, or rolls • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.19: IMMEDIATE ACTIONS FOR TANK TRUCK OVERFILL		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Shut off pump • Release deadman valve to stop fuel flow into truck, <u>after shutting off pump</u> • Secure all sources of ignition and the spill area • Shut off containment drainage valve discharging to the oil/water separator and open drainage valve to transfer facility containment holding tank • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary if spill is outside containment • DO NOT START truck until the spill has been removed • Contain spill with sorbent pads, sheet or rolls • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.20: IMMEDIATE ACTIONS FOR TANK TRUCK OR FILLSTAND COMPONENT FAILURE		
CONDITION	ACTIONS	JOB TITLE

During Transfers	<ul style="list-style-type: none"> • Shut down pump • Release deadman valve to stop fuel flow into truck, <u>after shutting off pump</u> • Slowly close appropriate flow control/block valves to stop fuel flow to fillstand and isolate failed component • Secure all sources of ignition and the spill area • Shut off containment drainage valve discharging to the oil/water separator and open drainage valve to transfer facility containment holding tank • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary if spill is outside containment • DO NOT START truck until spill has been removed • If possible, use drip pans or other containment equipment to contain and collect the spill • Contain spill outside of containment with sorbent pads, sheets, or rolls. • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators
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TABLE ERAP D.21: IMMEDIATE ACTIONS FOR RAILCAR TRANSFER FACILITY COMPONENT FAILURE NOT APPLICABLE		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Shut down pump • Release deadman valve or close loading valve to stop fuel flow into railcar, <u>after shutting off pump</u> • Isolate failed component • If possible, use drip pans or other containment equipment to contain and collect the spill. Verify containment of spill within secondary containment • Shut off containment drainage valve discharging to the oil/water separator and open drainage valve to transfer facility containment holding tank • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary if spill is outside containment • Contain spill outside secondary containment with sorbent pads, sheets, or rolls. • Secure all sources of ignition and the spill area • DO NOT RESTART pumps until spill has been removed • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.22: IMMEDIATE ACTIONS FOR RAILCAR COMPARTMENT FAILURE/OVERFILL NOT APPLICABLE		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Shut down pump • Release deadman valve or close loading valve to stop fuel flow into railcar, <u>after shutting off pump</u> • Isolate failed compartment • If possible, use drip pans or other containment equipment to contain and collect the spill. Verify containment of spill within secondary containment • Shut off containment drainage valve discharging to the oil/water separator and open drainage valve to transfer facility containment holding tank • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary if spill is outside containment • Contain spill outside of secondary containment with sorbent pads, sheets, or rolls. • Secure all sources of ignition and the spill area • Depending on the extent and location of the failure, consider pumping oil from the damaged tank to other tanks to reduce spill magnitude and drawdown the oil level below the failure point to stop discharge • DO NOT RESTART pumps until spill has been removed • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.23: IMMEDIATE ACTIONS FOR VEHICLE REFUELING FACILITY		
CONDITION	ACTIONS	JOB TITLE
During Transfers For equipment failures and leaks	<ul style="list-style-type: none"> • Shut down pump if refueling or transferring oil • Release deadman valve or close loading valve to stop fuel flowing into vehicle or storage tank • Isolate failed equipment • If possible, use drip pans or other containment equipment to contain and collect the spill/leaks. • Secure all sources of ignition and the spill area • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary • Contain spill with sorbent pads, sheets, or rolls. • Depending on the extent and location of the failure if spill involves storage tank, consider pumping oil from the damaged tank to other tanks to reduce spill magnitude and drawdown the oil level below the failure point to stop discharge • DO NOT RESTART pumps until spill has been removed • DO NOT RESTART vehicles if spill is located around fill stand until spill has been removed • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.24: IMMEDIATE ACTIONS FOR DAY TANK OVERFILL		
CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Shut down pump • Slowly close dispensing valve to stop fuel flow into tank, <u>after shutting off pump</u> • If spill is into containment ensure containment discharge outlet is closed. Verify containment of spill within secondary containment • Secure all sources of ignition and spill area • If spill escapes secondary containment, or spill is not into secondary containment use sorbent pads, sheets, or rolls to contain spill • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.25: IMMEDIATE ACTIONS FOR DAY TANK OR ASSOCIATED COMPONENT FAILURE

CONDITION	ACTIONS	JOB TITLE
During Transfers	<ul style="list-style-type: none"> • Shut down pump • If spill is into containment ensure containment discharge outlet is closed. Verify containment of spill within secondary containment • If spill escapes secondary containment, or spill is not into secondary containment, use sorbent pads, sheets, or rolls to contain spill • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary • Secure all sources of ignition and spill area • If possible and safe to accomplish, close tank's flow control valves • Slowly close other valves in the transfer circuit to prevent other potential equipment failures caused by the tank failure • Depending on the extent and location of the failure if it involves the tank, consider pumping oil from the damaged tank to another tank to reduce spill magnitude and drawdown the oil level below the failure point to stop discharge • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators
Under Static Conditions	<ul style="list-style-type: none"> • If spill is into containment ensure containment discharge outlet is closed. Verify containment of spill within secondary containment • Secure all sources of ignition and spill area • If spill escapes secondary containment, or spill is not into secondary containment, use sorbent pads, sheets, or rolls to contain spill • Cover or block storm water drains and sewer manholes or block drainage ditches as necessary • Verify closure of nearest flow control/block valves and verify that the tank is isolated from all other fuel equipment • Depending on the extent and location of the failure if it involves the tank, consider pumping oil from the damaged tank to other tanks to reduce spill magnitude and drawdown the oil level below the failure point to stop discharge • Notify the Fire Department IRT Dispatcher with required information 	Fuel Operators

TABLE ERAP D.26: IMMEDIATE ACTIONS FOR EXPLOSIONS OR FIRES

CONDITION	ACTIONS	JOB TITLE
All	<ul style="list-style-type: none"> • Activate fire alarm • If incident occurs at pipeline manifold or pumping facility, shut off power to facility and close valves • If electrical fire involved, shut off electrical power • If incident occurs during a transfer operation, notify pump operator to shut off pumping equipment and close nearest block or flow control valves • Evacuate to a safe distance and account for personnel • Secure area, stay upwind and keep out of low areas • Notify Fire Department IRT Dispatcher with required information (e.g., Material Safety Data Sheets) • Remove or secure other sources of ignition <u>if possible and safe to accomplish</u> • Remove incompatible and flammable materials <u>if possible and safe to accomplish</u> • Use fire extinguishers <u>if trained to use and it is safe and appropriate</u> 	Fuel Operators

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TAB E — RESPONSE PERSONNEL

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E. 1 INTRODUCTION:

Per Navy policy, NAS Key West, as are all other Naval installations, is required to maintain response capabilities (personnel and equipment resources) to respond effectively to incidents within its operations up to the defined maximum most probable spill.

These planning based spill volumes are as follows:

Marine Transportation related: (USCG Regulated)	800 gallons (Associated with vessel refueling operations)
Non-Transportation related: (USEPA Regulated)	30,183 gallons (Associated with Bulk Fuel Tank Farm operations)

In the event of an oil or hazardous substance release on-site that exceeds facility response capabilities and/or in cases when the release impacts or potentially threatens to impact the environment beyond the facility perimeter and/or in cases of release exceeding the maximum most probable scenario, the NOSC must be notified and the NOSC will provide response assistance including:

- Liaison with the facility to initially assess the potential magnitude of the incident
- Assessing initial equipment and personnel resource support needs and estimate of cost
- Establishing and authorizing a funding process and account to initiate contractor mobilization
- Contacting SOUTHNAVFACENGCOCM to activate BOA contractor support, if required.
- Supporting the facility in acquiring additional Navy resources, people and equipment, to support response efforts

Note: Only Regional Navy On-Scene Coordinators (NOSCs) have the authority to initiate actions under a BOA contract. Naval Activity personnel are not authorized to initiate direct action under a BOA. Naval Activities must request assistance from their NOSC in order to gain access to the BOA program. Their request for assistance is normally done by the Facility Incident Commander (FIC). Thus, NAS Key West may utilize the assistance of BOA contractors only by request of the FIC through the NOSC.

Because BOA Contracts occasionally change due to movement of contractors in and out of the contractual arrangement, a NOSC must have access to the latest listing of BOA contractors in the Area of Responsibility (AOR). A current list of BOA Contracts can be found on the following Coast Guard sites:

- <http://www.uscg.mil/mlclant/Fdiv/fcp-2.html>
- <http://www.uscg.mil/mlclant/FDiv/BOAs/BOA> (Excel Spreadsheet Format)

Spill Contractors located in the region of NAS Key West and available through the USCG BOA Contracts are listed below:

- Southern Waste Services
- Clean Caribbean
- Cliff Berry

Key information listed below is required by the NOSC and NAVFAC SOUTHEAST to initiate BOA contractor activation and funding. The complete BOA Contract Standard Operating Procedure for OHS Response is included in FRP Appendix B.

1. The name and telephone number of an on-site Qualified Individual who has knowledge of the actual conditions at the spill site.
2. The exact location of the spill.
3. A most current description of the type and quantity of the spilled material.
4. A specific scope of required services.
5. An estimate of the length of time the BOA contractor might be needed.
6. The BOA contractor(s) to be activated. Several contractors should be named in the event that some may not be able to respond. An order of performance should be established if possible.

E.2 QUALIFIED INDIVIDUAL AUTHORITY AND RESPONSIBILITY:

Under the Navy's two-tiered planning concept, The Facility Qualified Individual (FQI) (also titled the Facility Incident Commander, or FIC) has the full authority and the duty as described below, to respond to facility oil and hazardous substance spills, until relieved by the Regional Qualified Individual (RQI) or On-Scene Coordinator (OSC). As outlined in the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), the predesignated RQI or Navy OSC (NOSC) is the Federal On-Scene Coordinator for Hazardous Substances (HS) spills originating from Navy shore facilities or vessels. Under Navy policy, the FQI/FIC has full authority and responsibility to coordinate the response to all spills under the direction of either the predesignated Environment Protection Agency (EPA) or U.S. Coast Guard FOSC. The FQI/FIC reports directly to the NOSC.

The Facility QI's authority and major responsibilities include, at a minimum:

- Authority to activate and contract with oil spill removal organizations,
- Authority to act as liaison with the FOSC, and
- Authority to obligate funds required to carry out all necessary or directed oil response activities:

See TABLE ERAP E.1 for a more in-depth listing of the FQI's responsibilities.

TABLE ERAP E.1: FACILITY QUALIFIED INDIVIDUAL'S AND ALTERNATE'S DUTIES	
PRE-SPILL DUTIES	
•	Develop a facility response plan to meet current regulations and to provide for adequate personnel and other resources necessary to respond to the average most probable facility spill.
•	Conduct sufficient number of drills to ensure that the response plan, personnel, and equipment is adequate and work as expected.
•	Review response plan at least annually to ensure that it remains up to date.
•	Ensure facility response personnel maintain mandatory training levels (OSHA, etc.)

TABLE ERAP E.1: FACILITY QUALIFIED INDIVIDUAL'S AND ALTERNATE'S DUTIES	
SPILL RESPONSE DUTIES	
•	Obtain initial incident briefing from the IRT. Characterize spill to obtain spill notification data.
•	Activate notification system to activate spill response management team.
•	Characterize the spill as to source, amount, and other items needed to make required notifications.
•	Contact NOSC and provide spill brief. Request additional resources as needed. Ensure other appropriate notifications are made.
•	Make incompatibility/interaction assessment and notify proper response personnel.
•	Assess the situation for possible direct and indirect health and safety hazards, environmental risks, and coordinate prompt rescue, response, removal, containment, diversion actions, and evacuation actions as outlined in the response plan.
•	Ensure that personnel safety is accorded highest priority.
•	Develop strategic objectives and response priorities
•	Ensure that spill event and response efforts, costs, orders, contracted personnel and equipment are properly documented.
•	Approve Incident Action Plans, site specific Health and Safety Plans, and other plans as needed.
•	Serve as primary contact with FOSC and state regulators
•	Attend unified command meetings with the FOSC and federal and state regulators
•	Manage overall response operations to ensure they are consistent with Navy policy, federal, state, and local regulations, and the needs of impacted areas.
•	Review and approve resource allocation changes.
•	Monitor response effort and adjust as necessary
•	Serve as primary spokesperson with news media
•	Review and approve press releases
•	Make requests through the NOSC for outside resources
•	Approve Demobilization Plan
AFTER SPILL DUTIES	
•	Develop spill report to determine strengths and weaknesses of plan, response effort, etc.
•	Amend plan based on lessons learned.
•	Review plan for deficiencies

TABLE ERAP E.1: FQI/FIC & ALTERNATE'S AUTHORITY (Cont.)	
ITEM	LIMITS
Contracting Officer: FISC NAS Jacksonville Commander	X UNLIMITED o WARRANT LIMIT: LIST _____ o OTHER: LIST: Command \$250.00
Funding	Limit \$250,000 at Command Level
Evacuation	X UNLIMITED ON BASE o LIMITED OFF BASE (Describe Limits)
Access to other DOD Components	o UNLIMITED X UNLIMITED W/CONCURRENCE OF RIC o LIMITED W/CONCURRENCE OF RIC
Coordination with Federal OSC EPA — On-Site Coordinator	o UNLIMITED X UNLIMITED W/CONCURRENCE OF RIC o LIMITED W/CONCURRENCE OF RIC
Coordination with State Regulators	o UNLIMITED X UNLIMITED W/CONCURRENCE OF RIC o LIMITED W/CONCURRENCE OF RIC
Coordination with Press NAS Jacksonville — Public Affairs Office	o UNLIMITED o UNLIMITED W/CONCURRENCE OF RIC X LIMITED W/CONCURRENCE OF RIC
Manage all response efforts per Federal OSC Direction	o UNLIMITED X UNLIMITED W/CONCURRENCE OF RIC o LIMITED W/CONCURRENCE OF RIC

E.3 ALTERNATE QUALIFIED INDIVIDUAL AUTHORITY AND RESPONSIBILITY:

The Alternate Facility Qualified Individual's (AFQI's) duties are identical to that of the Primary QI. The AFQI will assume command and control in the absence of the QI. See TABLE ERAP E.1 for a full listing of the AFQI's responsibilities and duties.

E.4 RESPONSE PERSONNEL RESOURCES

E.4.1 RESPONSE ORGANIZATION

An organization chart is shown in Figure E-1. All facility personnel found on station are printed in bold text. Boxes not bolded are generally private contractors or off-station Navy or other government personnel.

NAS Key West will use the Incident Command System (ICS) to facilitate coordination with contractors, the public, and regulatory personnel during a spill event. This ICS system is designed to mesh with other Federal and State Response Organizations to form a unified command during a spill response. The ICS concept is developed in such a manner so as to enable the structure of the Facility Spill Management Team (SMT) to adapt to a variety of emergencies, and expanding and contracting as conditions warrant. Spills of a large magnitude may warrant that the entire SMT organization be mobilized while minor spills may dictate that a few functions of the team are sufficient to handle the spill.

The scope of responsibility and the functional duties of the SMT are located in position checklists included in ERAP Annex 2.

These duties are consistent with the basic NAS Key West organizational structure in that the individual task assignments may be delegated to the appropriately trained and skilled person. Where specific billeted assignments are not listed, the responsibility of that function rests with the next senior position identified. All such designated personnel will be trained in accordance with the requirements of FRP Tab 8.

E. 4.2 INCIDENT MANAGEMENT PROCESS:

The NAS Key West Spill Management Team (SMT) will employ an incident management process that involves four strategic activities:

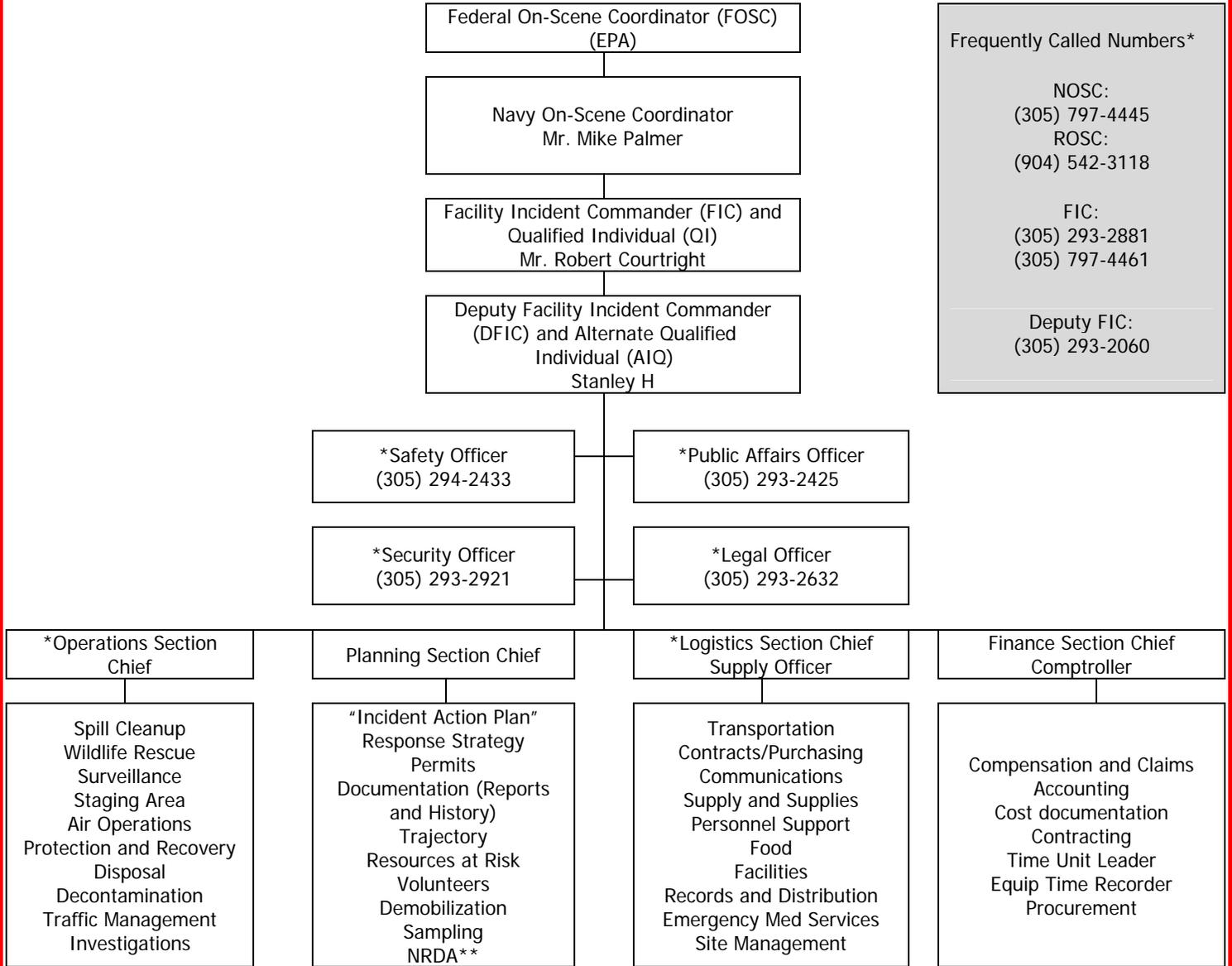
1. Engage in reactive mode of operations to address actions necessary to establish command and control over incident response operations,
2. Sustain ongoing incident response operations once command and control is established,
3. Engage in short- and long-term planning that results in preparation of Incident Action Plans (IAPs), and
4. Engage in long-term planning that results in preparation of a General Plan.

Figure E-2 illustrates the Incident Management Process.

The process is predicated on effective communication of critical information across all aspects of the response organization. ICS Forms are the basis for communication, management of planning activities, and preparation of reports and plans. Annex 3 contains a complete set of ICS forms and instructions.

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FIGURE 1: ORGANIZATION FOR SPILL RESPONSE



Frequently Called Numbers*

NOSC:
(305) 797-4445
ROSC:
(904) 542-3118

FIC:
(305) 293-2881
(305) 797-4461

Deputy FIC:
(305) 293-2060

*Spill Management Team Members
** National Resource Damage Assessment

INSERT INCIDENT MANAGEMENT SYSTEM CHART HERE

E.4.3 RESPONSE PERSONNEL

PHONE CONTACT LIST FACILITY RESPONSE PERSONNEL RESOURCES

TABLE ERAP E.2: FACILITY IMMEDIATE RESPONSE TEAM						
NAME	DAY PHONE EXT (NEXTEL)	AFTER HOURS	RESPONSE TIME (Min)	RESPONSE JOB	TRAINING TYPE	TRAINING DATE ⁽¹⁾
Dickinson, John	X 5671 Ext 2001	HM: 747-0920 CELL: 797-0765	15 - 30	Deputy Incident Commander	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Cich, James	X 5671 (797-4445)	HM: 745-1299 CELL: 797-4445	15 - 30	OSR Spill Chief	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Mozer, Jason	X 5374 Ext 2007	HM: 923-9572 CELL: 797-4360	15 - 30	OSR	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Malcolm, David	X 5374 Ext 2007	HM: 295-7826 CELL: 797-1239	15 - 30	OSR	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Sweeney, Adam	X 5374 Ext 2007	HM: 294-0556 CELL: 797-1238	15 - 30	OSR	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Battles, Robt	X 5374 Ext 2007	HM: 425-346-9270 CELL:	15 - 30	OSR	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Stephenson, S.	X 5374 Ext 2007	HM: 904-382-1820 CELL: 797-1240	15 - 30	OSR	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Thorpe, Chris	X 5374 Ext 2007	HM: 731-3863 CELL:731-3863	15 - 30	OSR	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Kolarov, Tiffany	X 5374 Ext 2007	HM: CELL:434-0500	15 - 30	OSR	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007

(1) Training records located in PORT OPERATIONS Office Central file.

(2) OSR — Oil spill response

TABLE ERAP E.3: FACILITY EMERGENCY RESPONSE/CLEANUP TEAM

NAME	DAY PHONE EXT (NEXTEL)	AFTER HOURS	RESPONSE TIME (Min)	RESPONSE JOB	TRAINING TYPE	TRAINING DATE
Courtright, Robert	(305) 293-2881 797-4461		15 - 30	Incident Commander, Planning, Permitting	24-Hour Hazwoper, 8-Hour annual	April 2006 April 2007
Demes, R	(305) 293-2488	(305) 656-1671	15 - 30	On Scene Commander	24-Hour Hazwoper, 8-Hour annual	April 2006 April 2007
Stanley, H	(305) 293-2060	—	—	As directed	24-Hour Hazwoper, 8-Hour annual	April 2006 April 2007
Wallace, Guillermo	(305) 293-2061	—	—	As directed	24-Hour Hazwoper, 8-Hour annual	April 2006 April 2007
Barham, Edward	(305) 293-2911	—	—	As directed	24-Hour Hazwoper, 8-Hour annual	April 2006 April 2007
McNeil, P.	(305) 293-2583	(305) 744-0202	15 - 30	Haz Waste Management	40-Hour Hazwoper, 8-Hour annual	July '04
DiPaolo, Peter	360-1077 Cellular	745-6643	15 - 30	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Phillips-Ford, Greta	360-3679 Cellular	293-0804	15 - 30	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Dritsas, Michael		923-5660	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Hodgeman, Greg		297-5825	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Lopez, Jose		402-6087	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Clem, Michael	360-7695	745-2755	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Farmer, Edward		872-0149	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Boyd, Patricia	587-4269	292-9943	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007

Denny, Timothy	360-1222	HM:295-6476	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Thompson, Brent	296-8765	240-1189	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Sykora, Steve	797-8576	797-8576	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	October 2004 June 2007 May 2007
Ford, Rick	296-1397	304-8287	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Robitoulle, Marc	293-4181		60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2006 June 2007 May 2007
Dobler, Aaron	293-4181	393-4814	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	April 2005 June 2007
Leonard, William	394-0621	394-0621	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	Sep 2005
Schiller, Steve	849-1917	849-1917	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	August 2005 June 2007 May 2007
Lot, Mario	304-8674	304-8674	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	August 2005 June 2007 May 2007
Mendez, Tony	797-5754	797-5754	60	OSR Support – Seaward Serv.	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	August 2005 June 2007 May 2007

TABLE ERAP E.4: FACILITY SPILL MANAGEMENT TEAM

NAME	DAY PHONE (NEXTEL)	AFTER HOURS	RESPONSE TIME (Min)	RESPONSE JOB	TRAINING TYPE *	TRAINING DATE
Safety Director Ron Cooke	(305) 293-2433 Cellular 797-4411	(305) 292-4807	15 - 30	Safety and Health Director	40-Hour Hazwoper, 8-Hour annual	October 04
Ed Donohue	(305) 293-2314 Cellular 797-4412	(305) 292-6593	15 - 30	Health & Safety Specialist	40-Hour Hazwoper, 8-Hour annual	April 07 August 06 October 04
Glenn Hayes, Sr.	(305) 293-2757 Cellular 797-4414	(305) 296-1134	15 - 30	Health & Safety Specialist	40-Hour Hazwoper, 8-Hour annual	April 07 August 06 October 04
Julie Campbell	(305) 293-2446	(305) 292-7710	15 - 30	Health & Safety Specialist	40-Hour Hazwoper, 8-Hour annual	April 07 August 06
Rosita Bernhard	(305) 293-2316	(305) 294-5301	15 - 30	Safety Technician	40-Hour Hazwoper, 8-Hour annual	April 07 August 06
Fire Chief	(305) 293-5888 797-4401	(305) 293-3333	2 - 15	Operations Section Chief	40-Hour Hazwoper, 8-Hour annual	June 04
OSR QMC Cich	X 5671 (797-4445)	HM: 745-1299 CELL: 797-4445	15 - 30	IC, Operations Section Chief	32Hr HAZWOPER 8-Hr Refresher 40Hr FRT	May 2006 June 2007 May 2007
Environmental Director	(305) 293-2911 797-4458		15 - 30	IC, Planning Section Chief	24-Hour Hazwoper, 8-Hour annual	April 06 April 07
Environmental Engineer						
Public Affairs Officer James Brooks	(305) 293-2425 (703) 798-4565	FAX: (305) 293-2627	15 - 30	Alert Surrounding Areas, Handle Media		
Medical Officer	(305) 797-8008		15 - 30	Supervise Medical Support		
Security Officer	(305) 293-2921 797-4418		15 - 30	Alert Facility Personnel, Handle Security		
Public Works Officer	(305) 293-2304 CELL: (305) 797-4355		15 - 30	Coordinate Equipment and Personnel	40-Hour Hazwoper, 8-Hour annual	July '02
Planning Director			15 - 60			
Supply Officer	(305) 293-2189 797-4382		15 - 30	Logistics Section Chief		
Comptroller	(305) 293-2636 240-0635		15 - 30	Finance Section Chief		
Legal Officer	(305) 293-2632		15 - 30	Legal Officer		

Spill Management Team will expand as necessary during actual incident

**TABLE ERAP E.5: KEY WEST PIPELINE COMPANY
EMERGENCY RESPONSE PERSONNEL**

NAME	DAY PHONE	24-HR PHONE	RESPONSE TIME (Min)	RESPONSE JOB
John Sykes, Terminal Manger	(305) 294-4812 Fax (305) 294-0844	Home: (305) 296-0271	30 min	Qualified Individual
Vaughan W. Walker, Sr.	(305) 294-4812 Fax: (305) 294-0844	Cell: (305) 522-0421 Hm: (305) 872-9640	30 min	Alternate Qualified Individual
David Gonzalez	(305) 294-4812 Fax: (305) 294-0844	Cell: (305) 522-0252	30 Min	Alternate Qualified Individual
Mark Rauch, President, Key West Pipeline	(713) 627-1700 ext 107	Cell: (713) 829-0065 Hm: (713) 622-8004	24-Hours	Provide Additional Equipment and Personnel
Cliff Berry, Inc	—	(800) 899-SPIL [7745] (954) 763-3390.	4 Hours	Response Contractor

**TABLE ERAP E.6: AVAILABLE ADJACENT NAVY/DOD
EMERGENCY RESPONSE PERSONNEL**

NAME	DAY PHONE	24-HR PHONE	RESPONSE TIME (Min)	RESPONSE JOB	TRAINING TYPE	TRAINING DATE
Navy On-Scene Coordinator	(904) 542-8044	(904) 542-3118	12 Hours	Regional Qualified Individual	NA	NA
Deputy Navy On-Scene Coordinator	(904) 542-8274	(904) 542-3118	12 Hours	Alternate Regional Qualified Individual	NA	NA
NAS JAX	(904) 542-2717 Ext. 116	(904) 542-2338	12 Hours	Provide Additional Equipment and Personnel	Varies	Varies
NS Mayport	(904) 270-6730	(904) 270-5401	12 Hours	Provide Additional Equipment and Personnel	Varies	Varies

TABLE ERAP E.7: EMERGENCY RESPONSE CONTRACTORS/COOPERATIVES

CONTRACTOR	DAY PHONE	24-HR PHONE	RESPONSE TIME (MINUTES)	CONTRACT RESPONSIBILITY/CAPABILITY
Southern Waste Services — Environmental First Response	(800) 852-8878	(800) 852-8878	4 Hours	Level E equipment and personnel resources
Clean Caribbean, Inc.	(954) 983-9880	(954) 983-9880	4 Hours	Level E equipment and personnel resources
Cliff Berry & Associates	(954) 763-3390	(800) 899-7745	2.5 to 4 Hours	Provide additional equipment and personnel resources

TABLE ERAP E.8: OTHER EMERGENCY RESPONSE PERSONNEL RESOURCES

SOURCE	DAY PHONE	24-HR PHONE	RESPONSE TIME (MINUTES)	CONTRACT RESPONSIBILITY/CAPABILITY
EPA Emergency Response	(404) 562-8700	(404) 562-8700		Response Expertise (Land Spills Only)
USCG (RRT Activation) Miami 7th CG District	(305) 536-5651 (305) 536-5691	(305) 536-5692	Varies	Additional Equipment and Response Expertise
Florida Marine Patrol	(800) 342-5367	(800) 342-5367	Varies	Additional Equipment and Response Personnel
Department of Natural Resources	(305) 289-2310	(800) 320-0519	Varies	Response Expertise Wildlife Support
National Response Center	(800) 424-8802	(800) 424-8802	Varies	Additional Equipment and Response Personnel
National Oceanic and Atmospheric Administration	(305) 292-0311	(305) 797-7223 Oil Spills	Varies	Response Expertise Trajectory Modeling
	(305) 530-7931 Scientific Coord	Trajectories Model (206) 526-4911		
Chemtrec	(800) 424-9300	(800) 424-9300	Varies	Chemicals and Hazardous Substances Expertise
SUPSALV	(202) 781-1731	16:00-0700 M-F 24- hours. Weekends (202) 781-3889 Contact: Duty Officer	Varies	Additional Equipment and Response Personnel

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TABLE ERAP F.1: ON-SITE INVENTORY: SKIMMERS				
TOPIC		SKIMMER TYPE 1	SKIMMER TYPE 2	SKIMMER TYPE 3
TYPE	OPERATING PRINCIPLE (DIP, weir, belt, etc.)	Belt		
	MANNED OR UNMANNED	Manned		
RECOVERY RATES	NOMINAL (gal/min)			
	DE-RATED DAILY (gal/day)	10,080		
	" " (bbl/day)	240		
	BUILT-IN STORAGE (gal)	1000		
	BLADDER STORAGE (gal)	1250		
NUMBER	ON HAND	1		
MANUFACTURE	BRAND	Kvichak		
	MODEL	28'		
	YEAR	1998		
MOBILIZATION	POINT OF CONTACT DAY PHONE 24-HOUR PHONE	Oil Spill Chief X 4461 (305) 797-4445		
	STORAGE LOCATION	Building 284 Truman Annex		
	TRANSPORTATION NEEDED	Boat Trailer		
	LAUNCH SITE(S)	Boat Ramps		
	CREW NEEDED	1 Driver 2 Operators		
	TIME (hrs) (request → on water)	1		
	UPKEEP	OPERATIONAL STATUS	Full	
INSPECTION FREQUENCY		Weekly		
DATE OF LAST INSPECTION		(1)		
TEST FREQUENCY		Monthly		
DATE LAST TEST RUN		(1)		
DATE LAST FUEL CHANGE		(1)		
DEPLOYMENT	LAST DEPLOYMENT DRILL DATE	(1)		
	DEPLOYMENT FREQUENCY	Monthly		
TOTAL DE-RATED DAILY RECOVERY AVAILABLE ON-SITE FROM SKIMMERS (BBL/DAY): 240				
COMMENTS:				

(1) Records located in PORT OPERATIONS central files

TABLE ERAP F.2: ON-SITE INVENTORY: VACUUM TRUCKS

TOPIC		TRUCK TYPE 1	TRUCK TYPE 2	TRUCK TYPE 3
PICK-UP HEAD TYPE (manta, weir, etc.)		Floating Weir	Floating Weir	
RECOVERY RATES	HEAD NOMINAL (gal/min)	80	80	
	DE-RATED DAILY (gal/day)	23,040	23,040	
	" " (bbl/day)	549	549	
	TANK SIZE (gal)	2,000	2,000	
NUMBER	ON HAND	1	1	
MANUFACTURE	BRAND	Freightliner	International	
	MODEL	Dominator		
	YEAR	93	99	
MOBILIZATION	POINT OF CONTACT DAY PHONE 24-HOUR PHONE	Oil Spill Chief X 4461 (305) 797-4445	Oil Spill Chief X 4461 (305) 797-4445	
	STORAGE LOCATION	Building 284 Truman Annex	Building 284 Truman Annex	
	CREW NEEDED	2	2	
	TIME (hrs)	1/2	1/2	
UPKEEP	OPERATIONAL STATUS	Good	Good	
	INSPECTION FREQUENCY	Monthly	Monthly	
	DATE OF LAST INSPECTION	(1)	(1)	
	TEST FREQUENCY	Semi-annually	Semi-annually	
	DATE LAST TEST RUN	(1)	(1)	
DEPLOYMENT	LAST DEPLOYMENT DRILL DATE	(1)	(1)	
	DEPLOYMENT FREQUENCY	In routine operation	In routine operation	
TOTAL DE-RATED DAILY RECOVERY AVAILABLE ON-SITE FROM VACUUM TRUCKS (BBL/DAY): 1098				
COMMENTS: (1) Facility inspection records includes inspection for all vehicles. Records are kept in Building 284				

TABLE ERAP F.3: ON-SITE INVENTORY: BOOM				
TOPIC		BOOM TYPE 1	BOOM TYPE 2	BOOM TYPE 3
TYPE	CLASS (permanent, I, II, etc.)	Perm	II	
	SKIRT SIZE (18", 24", etc.)	12", 18" 24"	24	
	STANDARD SECTION LENGTH (ft)	100'	50	
	END CONNECTORS (ASTM, Navy)	Z Type	ASTM	
CONTAINMENT	LENGTH (ft)	500	10,900	
MANUFACTURE	BRAND	American Boom and Barrier & Slicbar	American Boom and Barrier	
	MODEL		UNK	
	YEAR	2003	98	
MOBILIZATION	POINT OF CONTACT DAY PHONE 24-HOUR PHONE	Oil Spill Chief X 4461 (305) 797-4445	Oil Spill Chief X 4461 (305) 797-4445	
	STORAGE LOCATION	Truman Annex	Truman Annex: 8,900 Boca Chica Marina: 1,000 Trumbo Pt.: 1,000	
	TRANSPORTATION NEEDED	2 boats (V-Leg)	Boom Platform Boat	
	CREW NEEDED	4-6	4-6	
	TIME (hrs) (request → in water)	1.5	0.5	
	OPERATIONAL STATUS	Full	Full	
	INSPECTION FREQUENCY	Monthly	Monthly	
DATE OF LAST INSPECTION	(1)	(1)		
DEPLOYMENT	LAST DEPLOYMENT DRILL DATE	(1)	(1)	
	DEPLOYMENT FREQUENCY	Monthly	Monthly	
COMMENTS:				

(1) Records located in PORT OPERATIONS Office central files

Note: Key West Pipeline Company (KWPC) Terminal maintains the following additional equipment in a trailer and cargo container, maintained by Cliff Berry Inc. The equipment is located on the Trumbo Point tank farm just west of KWPC Tank 1. Additional materials may be available in the trailer and cargo container, see periodic updated lists provided by CBI and kept on file at the KWPC office.

- 600-ft, 18-inch permanent (Harbor) boom.
- 120-ft, 8-inch absorbent boom.
- 200-ft, 5-inch absorbent boom.
- 300-Harbor boom deployed Pier D-3 ⁽²⁾
- 500-ft absorbent blanket.
- 280-ft, absorbent sweep.
- 4 boom anchors.

TABLE ERAP F.4 ON-SITE INVENTORY: PUMPING EQUIPMENT				
TOPIC		PUMP TYPE 1	PUMP TYPE 2	PUMP TYPE 3
PUMPS	NUMBER	2	1	
	OPERATING POWER (compressed air, electric, etc.)	Air	Air	
	NOMINAL RATE (gal/min)			
	HOSE CONNECTION (3/4" twist-lock, etc.)	1" cam lock	2" cam lock	
MANUFACTURE	BRAND	Sand Piper	Versamatic	
	MODEL	Unk	Unk	
	YEAR	Unk	Unk	
MOBILIZATION	POINT OF CONTACT DAY PHONE 24-HOUR PHONE	Oil Spill Chief X 4461 (305) 797-4445	Oil Spill Chief X 4461 (305) 797-4445	
	STORAGE LOCATION	Command Trailer Truman Annex	Command Trailer Truman Annex	
	TRANSPORTATION NEEDED	Tow vehicle	Tow vehicle	
	CREW NEEDED	2	2	
	TIME (hrs) (request → in use)	.5	.5	
UPKEEP	OPERATIONAL STATUS	Good	Good	
	INSPECTION FREQUENCY	Quarterly	Quarterly	
	DATE OF LAST INSPECTION	(1)	(1)	
	TEST FREQUENCY	6 months	6 months	
	DATE LAST TEST RUN	(1)	(1)	
DEPLOYMENT	LAST DEPLOYMENT DRILL DATE	(1)	(1)	
	DEPLOYMENT FREQUENCY	6 months	6 months	
COMPATIBLE COMPRESSORS	NUMBER	1	1	
COMPATIBLE HOSE	LENGTH (ft)	50'	50'	
COMMENTS: Pumps are available at Naval Air Station Key West. However, these pumps have not been identified by PORT OPERATIONS Emergency Response Equipment				
Common Navy pumps: Wilden Model M8: comp air, 155 gal/min (delivers 75-100), 3/4" twist-locks.				

(1) Records located in PORT OPERATIONS office central files

TABLE ERAP F.5: ON-SITE INVENTORY: SORBENTS (STOCKPILED)					
STOCK-PILED ITEM	N-S-N	STOCK-PILE LOCATION	PURCHASE UNIT	SORPTION CAPACITY (gal/unit)	STOCK ON HAND (units)
Sorbent Boom (white)	Open Purchase	Building 284	60-ft package	20	36
Sorbent Boom (green)	9330-01-334-5036	Building 284	60-ft package	13	13
Sorbent Rolls	Open Purchase	Building 284	bale	51	60
Sorbent	Open Purchase	Building 284	bale	26	200
Sorbent Pillow	Open Purchase	Building 284	bale	40	
TOTAL SORPTION CAPACITY ON HAND (GAL): 5,532					
POINT OF CONTACT: Oil Spill Response DAY PHONE: (305) 293-5374 24-HOUR PHONE: (305) 797-4360					
COMMENTS:					

TABLE ERAP F.6: ON-SITE INVENTORY: TOOLS AND SUPPLIES (STOCKPILED)				
STOCKPILED ITEM	NATIONAL STOCK NUMBER	STOCKPILE LOCATION	UNIT	STOCK ON HAND (units)
Rope, 3/8" Nylon	4020-00-946-0436		roll	
Rope, 1/2" Nylon	4020-00-106-9361		roll	
Rope, 3/4" Nylon	4020-00-141-7152		roll	
Rope, 3/8" Manila	4020-00-834-0708		coil	
Rope, 1/2" Manila	4020-00-238-7732		coil	
Rope, 3/4" Manila	4020-00-238-7734		coil	
Parachute Cord	4020-00-246-0688		sl	
Shovel, Sq Nose (Long)	5120-00-293-3330	Public Works Hazardous Collection Locations (1)*	each	35
Shovel, Sq Nose (Short)	5120-00-224-9326		each	
Shovel, Rd Nose (Long)	5120-00-188-8450	Public Works Hazardous Collection Locations (1)*	each	5
Shovel, Rd Nose (Short)	5120-00-293-3336		each	

Note:

(1) Naval Air Station Key West has this equipment stored evenly among the 27 hazardous waste sites located throughout the base.

TABLE ERAP F.6: ON-SITE INVENTORY: TOOLS AND SUPPLIES (STOCKPILED) (Cont.)

STOCKPILED ITEM	NATIONAL STOCK NUMBER	STOCKPILE LOCATION	UNIT	STOCK ON HAND (units)
Mop Squeezer	7920-00-170-5449	Public Works Hazardous Collection Locations (1)*	Each	30
Mop, Cotton	7920-00-224-8726	Public Works Hazardous Collection Locations (1)*	each	30
Squeegee	Open Purchase		each	
Can, Garbage (30-gal)	7240-00-160-0440		each	
Rags	7920-00-223-1014	Public Works Building A-437	50 lb bale	3
Pail, Plastic (3-gal)	7240-00-246-1097	Public Works Hazardous Collection Locations (1)*	each	30
Pail, Plastic (5-gal)	7240-00-943-7105	Public Works Building A-437	each	12
Bags, Sand	8105-00-965-2509		bale	
Gloves, Rubber	8415-00-935-2833	Public Works Building A-437 Fire Department Building A-132	pair	25 180
Goggles, Plastic	8465-01-004-2893	Public Works Building A-437	pair	25
Bags, Plastic (large)	8105-01-183-9768	Public Works Building A-437	box	6
Rubber Boots		Fire Department Building A-132		37
Rubber Boots		Public Works Building A-437		25
POINT OF CONTACT: Environmental Director DAY TIME PHONE : (305) 293-2881 24-HOUR PHONE: (305) 797-4360				
COMMENTS: * INDICATES THE NUMBER OF STOCKPILED ITEMS STORED AT EACH LOCATION				
Purchase of tools and supplies is on-going; stocks are replenished as needed, so year of purchase information is unavailable.				

TABLE ERAP F.7: ON-SITE INVENTORY: COMMUNICATIONS EQUIPMENT (IN USE)

TYPE	ASSIGNED TO (# Available)	CALL SIGN OR PHONE NUMBER	PRIMARY NETWORK/ FREQUENCY	BRAND AND MODEL (year, if available)	CHARGER OR STORAGE LOCATION	OP STATUS
HANDHELD RADIOS	Fire Department (25)	To be assigned at time of use	140.025	Motorola HT-1000	(17) Building A-132 (8) Building C-5 TA-507	Good
	Security (27)	To be assigned at time of use	139.525	Motorola HT-1000	Building A-314	Good
	Fuels (1)	To be assigned at time of use	152.915 MHZ	Motorola HT 600	Building A-937	Good
	Oil Spill Response (10)	OSR	VHF 66	Various	Building 284 Truman Annex	Good
FIXED IN OIL SPILL RESPONSE VESSELS	Oil Spill Response (7)	OSR 1 - 7	VHF 66	Various	Truman Annex	Good
CAR/TRUCK RADIOS	Public Work (2)	To be assigned at time of use	140.825	Unknown	Building 629	Good
	Fire Department (12)	To be assigned at time of use	(6) Structural 140.025 (6) Air Field 140.1	MITREK	Building A-132 Building C-5 Building TA507	Good
	Security (12)	To be assigned at time of use	139.525	MAXTRAC 300	Building A-314	Good
	Vacuum Trucks	Vac Truck	VHF 66	Motorola	Truman Annex	Good
BASE STATION RADIOS	Fire Department (3)	To be assigned at time of use	(3) Structural 140.025 (1) Air Field 140.1	Conselette	Building A-132 (1) Building C-5 (1) Building TA-507	Good
	Security (3)	To be assigned at time of use	139.525	Desktrac Conselette Spectra	Security	Good
	Command Center Trailer	OSR Command	VHF 16 & 66	Motorola	Truman Annex	Good
PHONES	Quarterdeck	305-293-2268	—	—	—	—

POINT OF CONTACT: Ground Electronics DAY PHONE: (305) 293-2258 24-HOUR PHONE: (305) 293-4316 (#070)

WARNING: ONLY "INTRINSICALLY SAFE" HANDHELD RADIOS AND RECHARGEABLE BATTERY PACKS SHOULD BE USED AT OIL SPILLS. A radio is "intrinsically safe" only if BOTH the radio and battery pack are "intrinsically safe." This inventory table functions both as an On-Site Inventory and as part of the Communications Plan. "Intrinsically safe" Motorola handheld radios and battery packs are marked with a green dot on the back, at the junction of the radio body and its battery pack; if BOTH dots are not present, the radio is not "intrinsically safe."

TABLE ERAP F.8: ON-SITE INVENTORY: COMMUNICATIONS EQUIPMENT (IN USE)		
TYPE	ASSIGNED TO	CALL SIGN OR PHONE NUMBER
NEXTEL	FIRE CHIEF	(305) 797-4401
	PUBLIC AFFAIRS OFFICER	(305) 293-2425
	XO	(305) 797-4349
	SECURITY OFFICER	(305) 797-0988
	SAFETY MANAGER	(305) 797-4411 (305) 797-4412
NEXTEL	OIL SPILL CHIEF	(305) 797-4445
	ENVIRONMENTAL DIRECTOR	(305) 797-4458
	ENVIRONMENTAL PROTECTION SPECIALIST #3	(305) 797-4454
	HAZWASTE MANAGER	(305) 797-4454
	WATCH COMMANDER	(305) 797-4423
	PWO	(305) 797-4355
POINT OF CONTACT: Ground Electronics DAY PHONE: (305) 293-2258 24-HOUR PHONE: (305) 293-4316 (#070)		
WARNING: ONLY "INTRINSICALLY SAFE" HANDHELD RADIOS AND RECHARGEABLE BATTERY PACKS SHOULD BE USED AT OIL SPILLS. A radio is "intrinsically safe" only if BOTH the radio and battery pack are "intrinsically safe." This inventory table functions both as an On-Site Inventory and as part of the Communications Plan. "Intrinsically safe" Motorola handheld radios and battery packs are marked with a green dot on the back, at the junction of the radio body and its battery pack; if BOTH dots are not present, the radio is not "intrinsically safe."		

TABLE ERAP F.9: ON-SITE INVENTORY: FIRE FIGHTING EQUIPMENT						
EQUIPMENT	HOW MANY	TYPE	BRAND AND MODEL	YEAR	STORAGE LOCATION	OP STATUS
FOAM-DISPENSING VEHICLES	2	Crash Trucks	OSHKOSH T-1500	2001	Building A-132	Good
	1		OSHKOSH T1000	2001	Building A-132	Good
	1	AMERTEK	CF-4000L	1992	Building A-132	Reserve
OTHER FIRE TRUCKS	1	Pumper	Pierce-1250GPM	2002	Building A-132	Good
	1	Ladder	Pierce Telesquirt	1997	Building A-132	Good
	1	Pumper	Simon 1000 GPM	1990	Building A-132	Reserve
	1	Pumper	Simon 1000 GPM	1990	Building A-132	Reserve
	1	Pumper	KME 1250 GPM	1994	Building C-5	Good
	1	Pumper	KME 1250 GPM	1994	Bldg TA-507	Down
	1	Rescue Truck	International	1992	Building A-132	Good
	1	Pick-Up	Dodge	2001	Building C-5	Good
	1	Pick-up	Chevy	2001	Building C-5	Good
	1	Utility	Chevy	2003	Building C-5	Good
	1	Pick-Up	Ford F-350	2005	Building A-132	Good
		Step-Van	Ford HAZMAT-1	2001	Building A-132	
		Step-Van	Ford HAZMAT-2	2003	TA-507	
	OTHER:	1	Rescue Truck	GMC	92	Building A-132
OTHER:	3	Pick-Ups	Dodge	2-86 1-92	Building A-132	Good
POINT OF CONTACT: Fire Department DAY PHONE: (305) 293-2776 / 293-5888 24-HOUR PHONE: (305) 293-3333						
COMMENTS: Building A-132 is the location of the Fire Department.						

TABLE ERAP F.10: ON-SITE INVENTORY: PERSONAL PROTECTIVE EQUIPMENT							
GEAR	LEVEL OF PROTECTION				HOW MANY	STORAGE LOCATION	OP STATUS
	A	B	C	D			
SCBA RESPIRATOR	X				26	(21) Fire Department (Building A-132) (5) Building C-5	Good
	X				2	HAZWASTE Storage (Building A-4078)	
	X				1	NAVOSH (Building A-515)	
SAR RESPIRATOR W/ESCAPE SCBA	X				2	HAZWASTE Storage (Building A-4078)	Good
LEVEL "A"	X				2		Good
INNER CHEMICAL-RESISTANT GLOVES	X				18	Oil Spill Response (Building TA 284)	Good
CHEMICAL-RESISTANT BOOTS/SHOES	X				21	Oil Spill Response (Building TA 284)	
HARD HAT	X				16	Oil Spill Response (Building TA-284)	Good
	X				4	Hazardous Waste Storage (Building A-4078)	
CHEMICAL-RESISTANT CLOTHING		X			200	Oil Spill Response (Building TA-284)Public Works (6)*	Good
		X			180	HAZWASTE Storage (Building A-4078)	
	X				6		
OUTER CHEMICAL-RESISTANT GLOVES		X			6	HAZWASTE Storage (Building A-4078)	Good
		X			360	Public Works (12)*	
		X			4	Oil Spill Response (Building TA-284)	
FULL-FACE CANISTER RESPIRATOR			X		9	Oil Spill Response (Building TA-284)Public Works (2)*	Good
			X		60		
			X		4	HAZWASTE Storage (Building A-4078)	
SAFETY GOGGLES				X	60	Public Works (2)*	Good
			X		14	Oil Spill Response (Building TA-284)	
OTHER: Life Vests					40	Oil Spill Response (Building TA-284)	Good
OTHER:							
POINT OF CONTACT: Environmental Director DAY PHONE: (305) 293-2911 24-HOUR PHONE: (305) 797-4458							
COMMENTS: * Indicates number at each location							
Purchase of many of these items is on-going; stocks are replenished as needed, so year of purchase information is unavailable.							
LEVEL A PROTECTION: respiratory: max eye: max skin: max	LEVEL B PROTECTION: respiratory: max eye: max skin: medium	LEVEL C PROTECTION: respiratory: medium eye: max skin: medium	LEVEL D PROTECTION: respiratory: none eye: medium skin: minimal				

TABLE ERAP F.11: ON-SITE INVENTORY: MISCELLANEOUS CAPITAL EQUIPMENT

EQUIPMENT	HOW MANY	TYPE	BRAND AND MODEL	YEAR	STORAGE LOCATION	OP STATUS
BACKHOE	1	Backhoe	John Deere 310-D	91	Motor Pool	Good
MISC EARTH-MOVING	2	Front end Loader	Cat 950 F	94	Motor Pool	Good
OIL SPILL RESPONSE & BOOM-DEPLOYING BOATS	1	30 ft	Seaark	1999	Building 284	Good
		28 ft	Kvichak	1997	Building 284	Good
		25 ft	Seaark	2000	Building 284	Good
		25 ft	Seaark	2001	Building 284	Good
		22 ft	Boston Whaler	1987	Building 284	Good
		22 ft	Boston Whaler	1998	Building 284	Good
		19 ft	Boston Whaler	1998	Building 284	Good
MISC BOATS	1	25 ft	Boston Whaler	88	Security	Good
		22 ft	Boston Whaler	Unk	Security	Good
		21 ft	Boston Whaler	Unk	Security	Good
OTHER:	1	Wildlife Rescue & Rehab Trailer	Wells Cargo EW1222	94	Building A-824	Good
	3	Boom Trailers	USN	02	Oil Spill Response	Good
	1	Command Trailer		03		Good
	1	Earth Auger	Hwy. maint. Comp. HCBMS	88	Motor Pool	Fair
POINT OF CONTACT: Transportation Director DAY PHONE: (305) 293-2586						
COMMENTS: The Public Works Transportation Department is located in Building #A-438						

TABLE ERAP F.12: EQUIPMENT AVAILABLE FROM TIER 1 OSROs			
TOPIC		OSRO	OSRO
NAME OF OSRO		Jacksonville Pollution Control	Cliff Berry, Inc.
24-HR PHONE		(904) 355-4164	(800) 899-7745
NATURE OF OSRO (private company, co-op, Navy, etc.)		Co-op / Private Company	Private Company
LOCATION OF EQUIPMENT		Jacksonville, FL	Ft. Lauderdale
RESPONSE TIME (hr)		12	4
USCG OSRO INFORMATION	LEVEL RATED	E	E
	OP ENVIRONMENTS RATED	I, R/C	I, R/C
	CONTAINMENT BOOM (ft)	39,100	24,000
	PROTECTIVE BOOM (ft)	24,000	24,000
	OIL RECOVERY (bbl/day)	90,357	40,000
	TEMPORARY STORAGE (bbl)	140,910	250,000
CONTRACT	NUMBER	DTCG84-90-A-70008	DTCG84-91-A70012
	NATURE (BOA, co-op agreement etc.)	BOA	BOA
	RESPONSE MANDATORY?		
COMMENTS:		Activate BOA via NOSC	Activate BOA via NOSC
Due to the relatively small worst case discharge for this facility (approximately 7,625 BBL), no other OSROs are necessary. However, depending on the situation, NAVSUPSALV may be utilized to supplement the listed OSROs.			

TABLE ERAP F.13 EQUIPMENT AVAILABLE FROM NAVSUPSALV		
TOPIC		OSRO
NAME OF OSRO		SUPSALV
24-HR PHONE		(703) 607-2758
NATURE OF OSRO (private company, co-op, Navy, etc.)		NAVY
LOCATION OF EQUIPMENT		Williamsburg, VA
RESPONSE TIME (hr)		31.5
USCG OSRO INFORMATION	LEVEL RATED	N/A
	OP ENVIRONMENTS RATED	Offshore/open ocean
	CONTAINMENT BOOM (ft)	10,000 ft
	PROTECTIVE BOOM (ft)	—
	OIL RECOVERY (bbl/day)	829,206
	TEMPORARY STORAGE (bbl)	894,000
STRIKE TEAMS AVAILABLE	BOOMING (BOOM-ANCHORS-BOATS-CREW)	(31) Boom Mooring System (8) Boom Handling Boats (24 ft 260 hp Diesel) (2) Boom Tending Boats (19 & 23 ft inflatable) (4) Boom Tending Boats (18 ft Rigid Hull)
	SKIMMING (SKIMMER/CREW/BLADDER)	(10) Skimmer Vs. Sys. (36 ft Aluminum Hull) (1) Skimmer System (Sorbent Belt VOSS) (2) Skimmer System (Screw Pump VOSS) (1) Skimmer, Sorbent Rope Mop (36 ft)
CONTRACT	NUMBER	
	NATURE (BOA, co-op agreement, etc.)	Navy
	RESPONSE MANDATORY?	
COMMENTS:		Activate via NOSC

TAB G — SENSITIVE AREAS: PROTECTION OF SENSITIVE/ECONOMIC AREAS

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G.1 INTRODUCTION

This Tab identifies sensitive areas and recommended protection strategies for addressing on-site response activities; and also for addressing response operations that would be required should a spill migrate into open waterways of the Atlantic Ocean or the Gulf of Mexico.

Section G.1 identifies protection and response strategies for specific facility sites that potentially pose a higher risk to discharge oil to navigable waters; and also key sites and conditions associated with operations of the Key West Pipeline Company Terminal and pipeline that supplies NAS Key West. The sites include:

1. Boca Chica Tank Farm
2. Boca Chica Truck Fuel Farm
3. Boca Chica Navy Exchange Service Station
4. Boca Chica Primary Backup Power Plant
5. Sigsbee Park Service Station
6. Sigsbee Park Marina
7. Trumbo Point Fuel Farm
8. Truman Annex Port Operations
- 9a. Fleming Key Special Forces: Fuel Tank Site
- 9b. Fleming Key Special Forces: Marina
10. Saddlebunch Key Transmitter Site
11. Boca Chica Field Culverts 1 and 2
12. Boca Chica Field Culverts 3 and 4
13. Boca Chica Marina
14. Key West Pipeline Terminal and Pier
15. Key West JP-5 Pipeline

Site-specific response strategies are shown in Figures G-1 through G-15 within this Tab; and also with the Red Plan and Quick Reference Response Guides. Specific Tank information can be found on NAS Key West Site Maps included within ERAP Tab J.

NAS Key West resources would be used to initiate response operations at the base sites. NOSC support is available in the event the size of the release exceeds local capabilities and/or the spillage migrates or has the potential to migrate beyond the facility boundaries.

Key Spill Protection Strategy Considerations NAS Key West:

- Spill protection strategies within the Naval Air Station facility include capture of product within the storm water drainage system by either blocking with sorbent boom, pads or complete blockage with earth.
- Protection of lagoons and tidal marshes is an immediate priority due to the sensitive nature of these environments.
- Boom deployment strategies within Naval Air Station are dependent on location, volume and type of product spilled.
- All areas within the Keys are considered Vulnerable Aquatic Ecosystems and National Marine Sanctuaries.
- Florida DEP personnel will be consulted on mitigation strategies within these estuarine environments due to their sensitive nature and the rapid evaporation qualities of Type I oil products.
- The general area harbors sensitive habitats including that of the endangered Silver Rice Rat and the Lower Keys Marsh Rabbit. Special consideration should be given to clean-up strategies due to these federally protected species. Consult Florida DEP personnel for protection and mitigation guidance.

Key Spill Protection Strategy Considerations — Key West Pipeline Company Operations:

- In addition to considerations noted above, given the immediate proximity of the Terminal to open water and the fact that a significant section of the 7 mile pipeline lies submerged along Key West and Cow Key, rapid response initiation and mobilizing of assets is critical. Ebb tides in excess of 2 knots are common along the Pier area (Fleming Key Cut). Rapid deployment of deflection booming and open water containment and recovery are critical.

G.2 AREA PROTECTION AND RESPONSE STRATEGIES

Information presented in this section has been prepared to coordinate with COTP Miami Area Contingency Plan (ACP). **It is expected that activation of Tier 2 support resources through the NOSC would be required to implement open water response strategies identified in the Area Contingency Plan.**

Table G.1 is a prioritized list of fish and wildlife and sensitive environments and areas of economic importance, within the facility's worst-case discharge planning distance, as established by the ACP. The "ERAP-Map" column depicts the location of the sensitive area on the Emergency Response Action Plan Maps in Tab J. The "ACP-Map" column shows the location of the same sensitive area on the ACP sensitive area map. Note that the maps are similar but are numbered differently. The priorities are identical unless otherwise noted.

The information contained herein is intended to only be used for the initial or emergency response phase of the cleanup. The sensitivity has been defined and prioritized by the Area Committee and cannot be changed. For example, an area listed as a high priority cannot be changed to a medium or low priority by the responders. The sensitive area to be protected may vary depending on spill detection time, tide, current, weather, personnel available on-site to respond, etc. Constant priority level surveillance and analysis must be made in order to maximize the protection of identified sensitive areas and to make intelligent response decisions.

TABLE ERAP G.1: LIST OF ACP SENSITIVE AREAS AND AREAS OF ECONOMIC IMPORTANCE		
PROTECTION SITE	ERAP-MAP	ACP-MAP
HIGH PRIORITIES (A): Mangroves: Mangroves are vital to the ecology of the Florida Keys. Mangroves provide food and shelter for numerous fish and shellfish and prime protection for larva and juvenile fish species. They also serve as a rookery for coastal birds. Mangroves fringe the two lagoonal systems to the south of the Boca Chica tank farm.		
Saddlebunch Harbor	3	36
Boca Chica Channel	4	38
Cow Key Channel	4	38 (A145)
Great White Heron National Wildlife Refuge	5	40 (A152)
Key West National Wildlife Refuge	6	40 (A161)
Johnston Key Channel	2	35
Sawyer Keys	2	35
Bow Channel and Cudjoe Gardens	2	35
Sugarloaf Creek	3	36
Sugarloaf Key Cut	3	36
Sambos – Eastern and Middle	3	36
Pelican Shoal	3	36
American Shoal	3	36
Western Sambo	4	38
Cottrel Key	5	39
Eastern Dry Rocks	6	40
Rock Key	6	40
Sand Key	6	40
MEDIUM PRIORITIES (B):		
Garrison's Bight	4	38 (B160)
Smathers Beach	5	39 (B153)
Mallory Square	5	39 (B158)
Lands End Marina	5	39 (B159)
LOW PRIORITIES (C):		
Boca Chica Naval Air Station	4	38
Stock Island Power Plant	4	38
Sigsbee Park	4	38
Navy Fuel Farm — Boca Chica	4	38

G.3 WILDLIFE/RESOURCES TO PROTECT

Table G.2 depicts general wildlife information in the zone of impact. See Tab 3 of the FRP for more detailed information on wildlife in the area.

TABLE ERAP G.2: WILDLIFE PRESENT			
WILDLIFE	TYPE	SEASON	REFERENCE*
Birds	Raptors, Seabirds, Diving Birds, Wading Birds, Shorebirds	All Seasons	Table 3.12
	Waterfowl	Fall, Winter	
Fish	Finfish, Shellfish, and Crustaceans	All Seasons	Tables 3.14-3.15
Mammals	Manatee, Rice Rat, and Marsh Rabbit	All Seasons	Table 3.13
Reptiles and Amphibians	Five species of Sea Turtle, Tortoise, Alligator, Snake	All Seasons	Table 3.13
Endangered Species	All Types	All Seasons	Table 3.16
*The reference tables located in the Facility Response Plan, Tab 3, Section 3.1, Vulnerability Analysis will supply the responder with more details on the wildlife in the area and their vulnerabilities to oil. Section 3.1 is primarily for use after the emergency phase, but the responder can use this section to make better decisions during the changing dynamics of a spill.			

G.4 EQUIPMENT AND RESOURCES NEEDED FOR IMPLEMENTING PROTECTION STRATEGIES FOR A WORST-CASE DISCHARGE

TABLE ERAP G.3: MINIMUM EQUIPMENT AND RESOURCES REQUIRED TO IMPLEMENT PROTECTION STRATEGIES						
SITE NAME	EQUIPMENT REQUIREMENT		PERSONNEL REQUIREMENT		FACILITY SHORTFALL	
	Available	Required	Available	Required	Equipment	Personnel
All Locations – Small / Average Most Probable Discharge	7,900 ft. Type II Boom 7 Boom Deploying Boats Vac Truck, Skimmer – 33,120 gal. total recovery capacity Vac Truck Skimmer 4,250 gal. total storage capacity	Minimum of 1,000 ft. Type II Boom Boom Deploying Boat(s) Oil recovery equipment capable of recovering 2,100 gals./day Oil storage capacity 4,200 gals.	Facility Response Team – 20 Members	3-5	Oil storage capacity shortfall – 50 gal.	0
All Locations – Medium / Maximum Most Probable Discharge	7,900 ft. Type II Boom 7 Boom Deploying Boats Vac Truck, Skimmer – 33,120 gal. total recovery capacity Vac Truck Skimmer 4,250 gal. total storage capacity	Minimum of 1,000 ft. Type II Boom Boom Deploying Boat(s) Oil recovery equipment capable of recovering 15,092 gals. Oil storage capacity 30,183 gals.	Facility Response Team – 20 Members	5-9	Oil storage capacity shortfall – 25,933 gal.	0

**TABLE ERAP G.4:
MINIMUM EQUIPMENT AND RESOURCES REQUIRED TO IMPLEMENT PROTECTION STRATEGIES**

SITE NAME	EQUIPMENT REQUIREMENT		PERSONNEL REQUIREMENT		FACILITY SHORTFALL	
	Available	Required	Available	Required	Equipment	Personnel
All Locations – Worst-Case Discharge	7,900 ft. Type II Boom 7 Boom Deploying Boats Vac Truck, Skimmer – 33,120 gal. total recovery capacity Vac Truck Skimmer 4,250 gal. total storage capacity	4,000 ft Type II Boom Boom Deploying Boat(s) Oil recovery equipment capable of recovering 24,126 gals./day Oil storage capacity 48,292 gals./day	Facility Response Team – 20 Members	9-16	0 Oil storage capacity shortfall – 44,042 gals./day	0

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TAB H — DISPOSAL PLAN:

The following section is a reproduction of DoD 4160.21-M, Hazardous Property Management which covers the handling, processing, and disposal of hazardous wastes. This applies to the hazardous waste generated through an oil or hazardous substance spill that is managed through the NAS Key West Public Works Department, Environmental and Hazardous Waste Branch.

HAZARDOUS WASTE DISPOSAL

H.1 INTRODUCTION

Collection and disposal of spilled oil and debris is a primary concern during a spill emergency. Temporary storage of recovered oil and debris must be preplanned in order to minimize cleanup time. The majority of oil spills from NAS Key West will be less than 50 barrels. The disposal of hazardous waste generated by these spills will be managed through NAS Key West Public Works Department, Environmental and Hazardous Waste Branch.

For larger spills that are beyond the capability of NAS Key West to contain and mitigate, assistance will be required from spill response contractors. An incident-specific strategy will be developed in consultation with the Environmental Coordinator and the Hazardous Waste Branch to manage the waste generated by larger spills. For the most part, spill contractors will coordinate the transportation and disposal through licensed transporters and disposal facilities, and work with the Incident Command Logistics staff to ensure the disposal is managed properly and is documented accordingly.

H.2 DoD 4160.21-M, HAZARDOUS PROPERTY MANAGEMENT

A. General

1. The purpose of this chapter is to provide DoD installations and DLA personnel with guidance for handling, processing, and disposing of hazardous property, in accordance with applicable environmental safety, and other pertinent laws and regulations.
2. The DoD policy is to store, handle, and dispose of all hazardous property in an environmentally acceptable manner in accordance with applicable environmental, safety, and other pertinent laws and regulations.
3. For definitions see attachment 1, this chapter, and Chapter III, Abbreviations and Definitions.

B. Responsibilities

1. DoD installation responsibilities are as follows:
 - a. Comply with DoD Instruction 6060.5, Hazardous Material Information System, and DoD Instruction 6055.1, DoD Occupational safety and Health Program, and respective implementing regulations.
 - b. Where feasible, minimize quantities of hazardous property through resource recovery, recycling, source separation, nonhazardous substitutes, and acquisition policies.
 - c. Provide technical and analytical assistance, including research and development support, to DLA to accomplish disposal, if requested.
 - d. Provide all available information to DLA, as required, to complete environmental documentation; such as, environmental impact statements associated with disposal.
 - e. Properly identify package, label, and certify conformance with established environmental, safety, and transportation criteria before transferring accountability for

hazardous property to DLA.

- f. When requested, assist DLA by providing information and comments on federal, state, regional, and local regulations being developed to control hazardous property disposal; such as, ability of particular installation to comply and impact on DoD. Alert DLA to any local situation which could impact hazardous property disposal.
- g. Retain physical custody of hazardous property within the guidelines provided in paragraph C, this chapter.
- h. Provide for disposal of the following categories of hazardous property.
 - (1) Toxicological, biological, radiological, and lethal chemical warfare materials which, by U.S. law, must be destroyed. Disposal of the by-products of such material is the responsibility of the DoD installation with assistance from DLA.
 - (2) Materials which cannot be disposed of in its present form due to military regulation; such as, AEDA, controlled medical items. This category would include those instances where military regulations require the obliteration of all markings that could relate an excess material to its operational program. Once the appropriate actions are taken to meet the military regulation, the resulting material could then be turned in to the servicing DRMO.
 - (3) Municipal-type garbage, trash, and refuse resulting from residential, institutional, commercial, agricultural, and community activities, which can be disposed of in a state or locally permitted sanitary landfill.
 - (4) Contractor generated materials which are the contractor's responsibility for disposal under the terms of the contract. The HW identification number holder (normally the installation commander) must maintain appropriate control of these materials or wastes and assure they are transported and disposed of in compliance with the law.
 - (5) Sludges resulting from municipal-type wastewater treatment facilities.
 - (6) Sludges and residues generated as a result of industrial plant processes or operations. Properly identified industrial process sludges and residues which are not commingled or a product of an industrial waste treatment facility is the responsibility of DLA. DLA does not take sludges and residues from wastewater treatment facilities. DLA does take sludges and residues from industrial processes that have not been commingled. For example, sludge and residues from industrial process "A" must be collected and stored separately from sludges and residues resulting from industrial process "B." Each process may result in sludges and residues that contain a mixture of ingredients and contaminants but the sludges and residues from each process must be collected and stored separately and not commingled.
 - (7) Refuse and other discarded material which result from mining, dredging, construction, and demolition operations.
 - (8) Unique wastes and residues of a nonrecurring nature, which research and development experimental programs generate.
 - (9) Waste and residues (including contaminated soil) result from cleanup of sites associated with long-term widespread contamination of the environment. This includes waste and residues from installation restoration efforts.

2. The DLA responsibilities are as follows:
- a. Comply with DoDI 6065.5, and DoDI 6055.1, and respective implementing regulations.
 - b. Accomplish documentation (including records) for DLA disposal actions as required under applicable environmental and other pertinent laws and regulations.
 - c. Initiate contracts or agreements for DLA disposal actions.
 - d. Accept accountability for all hazardous property, except those categories under responsibility of DoD installations (paragraph B1) which have been properly identified, packaged, labeled, and certified in accordance with environmental and transportation laws and regulations. Accept sludges and residues from industrial processes that have not been commingled; e.g., sludges and residues from industrial process "A" must be collected and stored separately from sludges and residue resulting from industrial process "B."
 - e. Accept spill residues resulting from immediate cleanup actions of an emergency nature in response to specific, isolated operational spills.
 - f. Accept accountability, but not physical custody, of non-controlled condemned medical items that are RCRA regulated hazardous wastes.
 - g. Accept custody of hazardous property within the guidelines provided in paragraph C, this chapter.
 - h. Program for construction of storage facilities in support of the DLA disposal mission.
 - i. Provide any repackaging, overpacking, or handling of hazardous property that may be required after acceptance of accountability by the DRMO.
 - j. Establish an inventory control system for the types, quantities, and locations of available hazardous property for which DLA is responsible in the event that some other activity might be able to use particular property as a resource.
 - k. Provide an economic incentive for DoD installations to segregate and minimize waste generation by:
 - (1) Providing feedback to Military Departments and Defense Agencies on the costs associated with disposal of HW.
 - (2) Providing 100 percent reimbursement to DoD installations with qualified recycling programs for hazardous materials or wastes sold by DLA for recycling in accordance with DoD policy.
 - l. Contract for disposal technology not available within the DoD.
 - m. Minimize environmental risks and costs associated with the extended care, handling, and storage of hazardous property by accomplishing disposal within a significantly compressed disposal cycle. DRMOs shall notify the permit owner, in writing, of any situation that could result in noncompliance with environmental regulations.
 - n. Operate a system to ensure that sufficient disposal capability is programmed to preclude extended delays in the hazardous property disposal process.

- o. Maintain an analysis and information distribution capability of current technological advances on DoD hazardous property disposal procedures and advise DoD installations of such developments on a continuing basis. Additionally, ensure that DoD installations are apprised of any federal, state, regional, and local regulations being developed to control hazardous property disposal.
- p. Serve as the DoD focal point to recommend matters of policy and guidance to OASD for disposal of hazardous property within the assigned responsibility of DLA.
- q. Establish procedures relative to assigned responsibility for hazardous property disposal. Unresolved issues shall be forwarded to OASD with pertinent comments.
- r. Notify the military Services of contractor or any other actions which could compromise installation compliance with environmental regulations.
- s. Assure that HW treatment, storage, and disposal (TSD) contracts provide for disposal in RCRA permitted facilities and listings of EPA ID numbers for each TSD in the contract are available to installation commanders.
- t. When requested, DLA shall make every effort to provide commercial disposal contract service for hazardous property that is the responsibility of the Military Services (such as, commingled IWTP sludges and residues; installation restoration wastes and residues). In these instances, the Military Service shall provide an advance fund citation and sufficient advance notification to allow placement of the property on a DRMS contract. DRMOs shall accept accountability on a wash/post basis.

C. Physical Custody

DoD policy is to safely store hazardous materials and wastes to protect human health and the environment, and in such a manner as to create optimum conditions for reduction of the DoD waste stream through maximized reutilization, transfer, donation, and sales efforts.

1. Physical custody of hazardous wastes at those DRMOs lacking RCRA permitted storage facilities is determined by the host installation commander.
2. OSBs manned by only one employee shall not accept physical custody of hazardous materials or waste due to safety considerations.
3. DRMOs having RCRA permitted storage facilities shall accept physical custody of hazardous materials and wastes from serviced activities until allowable storage capacity is reached. HW shall receive priority for storage space. HM may be stored only when there are no immediate HW storage requirement. Serviced activities should provide the greatest advance notification possible to DRMOs of forthcoming generations to allow for capacity management by the DRMOs.
4. DRMOs with RCRA permitted storage facilities shall accept physical custody of only those hazardous wastes that are listed in the current RCRA permit.

D. Turn-In Procedures (General)

DoD installations and DLA are responsible for compliance with environmental and other pertinent laws and regulations. To ensure environmental compliance turn-in activities and DRMOs shall:

1. Preplan, schedule, and coordinate hazardous property turn-ins.
2. Process turn-ins of hazardous property as follows:

a. Identification. Exceptions to the procedures identified below may be granted only where substantial economies can be realized. DRMOs/generators may develop alternative identification procedures that must be approved by DRMS. Alternative identification procedures must meet regulatory and disposal contract requirements.

(1) NSN-identified hazardous property.

(a) The turn-in activity shall provide the following upon turn-in of NSN-identified hazardous property to the DRMO:

1. Valid NSN
2. Noun name as cataloged in the supply system.
3. Chemical name of hazardous contaminants and noun name of nonhazardous contaminants.
4. Amount of hazardous and non-hazardous contaminants based on user's knowledge or testing of the item expressed in a range of content (percentage by weight or ppm) as applicable.

(b) When necessary, the DRMO shall:

1. Search HMIS and other data sources for chemical names of hazardous components.
2. Search HNIS for transportation and other data as required.
3. Contact manufacturer for data as required.

(2) LSN/FSC-identified property.

(a) The turn-in activity shall provide the following for turn-in of hazardous property to the DRMO.

1. Chemical name of hazardous components.
2. Chemical name of hazardous contaminants and noun name of Non-hazardous contaminants.
3. Amounts of hazardous and non-hazardous contaminants based on user's knowledge or testing of the item expressed in a range of content (percentage by weight or ppm) as applicable.

(b) The DRMO shall:

1. Accept accountability of property identified in the above manner.
2. Accept physical custody in accordance with paragraph C, this chapter.
3. Assign proper DOT shipping description to item received from onsite or for property that is received in place and is not transported over public highways.
4. Assist turn-in activity in determining proper identification as capabilities permit.
5. Reject turn-in when proper identification in accordance with the above is not provided.

(3) PCBs: An analysis of PCB concentration as determined by a scientifically acceptable analytical method must accompany the DTID unless the property is hermetically sealed or has a manufacturer's label or nameplate that indicates the presence of PCBs; such as, generic or commercial name. The analysis shall indicate the amount of PCB in ppm or in the following ranges:

(a) Less than 50 ppm

- (b) 50-499 ppm
- (c) 500 ppm or more.

Individual analysis is required for each item. Items such as capacitors which do not have sampling or servicing parts and are sealed by the manufacturer and are suspected to contain PCBs shall be turned in as PCB items (500 ppm and over) without analysis. DRMS may accept batch testing results of mineral oil dielectric on a case-by-case basis. However, approval for batch testing shall be obtained from DRMS before turn-in.

b. Packaging

- (1) Property turned in to the DRMO must be in containers that are non-leaking and safe to handle. The containers must be able to withstand normal handling or the turn-in shall be rejected.
- (2) DOT specified containers are required for storage and movement of hazardous wastes. These wastes may also be accumulated in bulk in RCRA permitted facilities.
- (3) DOT specified containers are not required for turn-in to the DRMO of anything other than the hazardous wastes. The transporting agency does have a responsibility to comply with DOT requirements for transport over public highways.
- (4) When hazardous property turned in for disposal is packaged in the original military containers, the turn-in activity shall provide the DRMO with a certification as to the true condition and reliability of the containers. The certification shall be placed in block Y of the DTID by the turn-in activity and shall contain one of the following statements:
 - (a) Packaged in accordance with DOT 49-CFR 170-189.
 - (b) Packaging equals/exceeds DOT 49 CFR 170-189.
 - (c) Packaging is substandard to DOT 49 CFR 170-189 (this is not acceptable for hazardous waste "HW" or offsite hazardous property turn-ins).
- (5) DoD property in foreign countries or territories shall be packaged in accordance with the host country's environmental laws and status of forces agreements.

c. Labeling

- (1) Hazardous property shall be labeled in conformance with established environmental, safety, and transportation laws and regulations.
- (2) PCB marking requirements are as prescribed by the EPA in 40 CFR 761. Items containing 50 ppm or more PCB must be marked.
- (3) Disposal Turn-In Document (DTID)
- (4) All property turned in to the DRMO shall be done so with a properly prepared DTID. Standard procedures for preparation of a DTID are found in DoD 4000.25-1-M.
- (5) Additional information, to be included in the appropriate blocks of the DTID, is as follows:

- (a) Block C — Insert "HM" if the property is a hazardous material or "HW" if the property is a regulated hazardous waste.
- (b) Blocks W and X
 - 1. For non-NSC hazardous waste items enter the word "waste" and the item's proper shipping name as shown in DOT 49 CFR 172 and as much descriptive information as possible in blocks W and X, and /or attach additional documentation with these data.
 - 2. For NSN hazardous waste items block W shall be used for internal purposed and block X must contain the word "waste" followed by the item's proper shipping name as shown in DOT 49-CFR 172.
- (c) Block Y — Use this block (in lieu of block AA through EE) for the deposit account number. Note: This is not an entry required on behalf of hazardous property documentation but a movement of data prescribed to permit use of the previously identified blocks for other purposes.
 - 3. Block 8 of the DTID shall be signed and dated by the DRMO and returned to the turn-in activity within 5 working days from receipt. The signed copy of the DTID shall serve as valid receipt of accountability for the hazardous property by the DRMO.

E. Turn-In Procedures (Specific)

Detailed guidance governing turn-in as well as handling and processing of specific hazardous property is contained in Chapter VIII, Property Requiring Special Processing.

F. Implementation of RCRA

- 1. Permits.
 - a. The installation commander is responsible to ensure compliance with all RCRA requirements for the installation. The installation commander is also responsible to notify, to apply for permits, and to report to EPA or the state, as required, for all installation activities, including tenants. Tenants are responsible for conducting their activities in accordance with RCRA and permit requirements at the facility. Tenants shall provide necessary documentation, signed and completed, to the host for permit applications and for reports as required by EPA or the state. Submittals shall be in the format required by the regulatory agencies.
 - b. The individual facility operational managers are responsible for conducting their activities in accordance with RCRA. Those facility managers, including tenants, shall provide necessary documentation to the installation commander for permit applications, shall provide to the installation commander reports required by EPA or the state, and shall ensure compliance with RCRA regulations and permit requirements at that facility.
 - c. The installation commander shall sign as the owner and the Defense Reutilization and Marketing Region Commander shall sign as the operator.
- 2. Hazardous Waste Management Plan

Implementation of the comprehensive hazardous waste management program, mandated by RCRA, requires maximum cooperation of all activities on an installation. The following guidance applies to development and implementation of a Hazardous Waste Management Plan:

- a. The installation commander is responsible for developing and implementing a Hazardous Waste Management Plan to include all tenants on the installation. This plan shall identify and implement hazardous waste management actions required by RCRA. Tenants are responsible for providing input to the installation commander for their portion of the plan.
- b. All tenants shall comply with applicable portions of the Hazardous Waste Management Plan and ensure that internal operating procedures are consistent.
- c. The DRMO Chief shall ensure that inspections, safety precautions and actions, records, etc., as established in the installation Hazardous Waste Management Plan, are accomplished for hazardous property for which the DRMO has physical custody and accountability.
- d. For hazardous property received in place by the DRMO, the activity having physical custody shall be responsible for the required periodic inspections, care, and protection of this property until it is disposed of by the DRMO.
- e. Required support or assistance that is available at the host installation shall be provided to the DRMO upon request. When the costs warrant, reimbursement may be required.

3. Manifesting.

A Uniform Hazardous Waste Manifest (UHWM) shall be prepared to accompany all offsite shipments of hazardous waste and shall include a 24-hour emergency notification telephone number. The permit holder (installation commander) has primary responsibility for signing manifests, but may delegate signature authority. However, the DRMO shall co-sign all manifests for shipments of hazardous property on DLA accountable records. In those instances where the permit holder delegates signature to the DRMO, only one signature shall appear.

4. Record Keeping and Reporting.

Installations shall comply with federal and state hazardous waste record keeping and reporting requirements. Tenants shall submit reports required by the installation's Hazardous Waste Management Plan within time frames established by the installation commander. All reports to EPA or the state shall be prepared in proper format by the operators and co-signed and submitted by the installation commander.

G. Hazardous Materials Information System (HMIS)/Hazardous Materials Technical Center (HMTC)

1. DoDI 6050.5 assigns responsibilities for the establishment and use of a DoD hazardous material information system.
2. The HMIS is designed to support the major areas of health, safety, and transportation. This includes a wide range of data related to safety, health, transportation, and disposal of hazardous materials. Caution should be exercised in applying this information without the proper training and knowledge of procedures which are related to specific hazards. Data in this system is reference information and must be used in conjunction with, not instead of, procedures and regulatory documents. If there is any doubt about use of the safety and health information in the microfiche, the local health and safety staff should be contacted.

H.3 DISPOSAL: SOUTH FLORIDA AREA CONTINGENCY PLAN

The following discussion is taken from the South Florida Area Contingency Plan (ACP) 1997. It is applicable to NAS Key West concerning disposal of materials impacted by an oil discharge.

The OSC or Responsible Party shall ensure that all material requiring disposal is classified into one of the five categories identified below and that the material is disposed of properly.

For liquid waste petroleum products:

Minimize temporary on-site storage; utilize portable tanks if required; avoid use of lined open pits. Material should be transported as soon as practical for recycling, reuse, or incineration as appropriate.

For liquid waste petroleum product and water mixtures:

Minimize temporary on-site storage; utilize portable tanks if required; avoid use of lined open pits. Material should be transported as soon as practical for recycling, reuse or incineration as appropriate.

For oil contaminated organic debris (sorbents, wood, plant material):

Minimize temporary on-site storage; utilize lined containers or store in plastic bags to prevent contamination of temporary storage site. Material should be transported as soon as practical to an approved Refuse-to-Energy Facility for incineration.

For oil contaminated sand (saturated):

Minimize temporary on-site storage; utilize lined containers or store in plastic bags to prevent contamination of temporary storage site. Material should be treated on-site or near the site by an approved Mobile Soil Treatment Facility. Secondary option is transportation as soon as possible to an approved Thermal Treatment Facility. Disposal options are described in the Guidelines for Assessment and Remediation of Petroleum Contaminated Soil.

For oil contaminated sand (not saturated):

Evaluate material to determine cost effectiveness of treatment on-site or near the site by an approved Mobile Soil Treatment Facility versus transporting to an approved Class I Landfill to be used as daily cover material. Minimize temporary on-site storage; utilize lined containers or store in plastic bags to prevent contamination of temporary storage site. Disposal options are described in the Guidelines for Assessment and Remediation of Petroleum Contaminated Soil.

H.3.1 SAMPLE WASTE DISPOSAL PLAN

WORST-CASE SCENARIO: The following waste disposal plan, taken from the South Florida ACP, is for the screening/segregation, stock-piling (temporary storage) and disposal of all types of waste materials resulting from a fictitious worst-case scenario.

- I. Offshore liquid waste petroleum products that are recovered, will be lightered to MOC vessels and barges for transportation to appropriate facilities for recycling. Liquid waste petroleum and water mixtures will be segregated offshore into barges for transportation to appropriate separation/recycling facilities.
- II. Inshore waste materials will be screened, segregated and disposed of according to classification as follows:

- A. Liquid waste petroleum products will be lightered offshore to the vessel and barges on scene for the recovered product.
- B. Liquid waste petroleum product and water mixtures will be removed to the offshore area and lightered into the barges brought on scene for storage and removal of oily water. This mixture will be decanted as permitted by the FOSC to facilitate the recovery and removal of waste as quickly as possible in minimizing the environmental impact.
- C. Oil contaminated organic debris (sorbents, wood, plant material) will be segregated on the beach above the high water mark where permitted by state and local authorities or transported to the nearest available staging area designated by the FDEP on the attached Annex A. Waste organic material will be transported to the nearest available incineration facility listed on Annex B as approved by FDEP.
- D. Oil contaminated sand (saturated) will be segregated and removed from beach areas in plastic bags or in lined containers for transportation to the nearest available incineration facility listed on Annex B that meets the applicable criteria for disposal of petroleum contaminated soil/sand.
- E. Oil contaminated sand (not saturated) will be evaluated on site to determine if it can be treated on site if a Mobile Soil Treatment Facility has been approved and is available. Until an on-site facility is available, waste material will be removed for disposal at the approved Class I landfill at Cudjoe Key, or temporarily stored in lined containers or plastic bags at a facility listed in Annex A for treatment or disposal by MOC's waste disposal contractor.

TABLE ERAP H.1: TEMPORARY STORAGE CAPACITY						
PLANNING SIZE CATEGORY		REQUIREMENTS		PLANNED RESPONSE		
		AMOUNT (bbl/day)	TIME (hrs)	EQUIPMENT TO BE USED TO SATISFY REQUIREMENT	SOURCE OF EQUIPMENT TO BE USED	TIME (hrs)
SMALL		50	2	Portable Bladders, Tanker Trailers, Vac Truck, Storage Tanks	Naval Air Station Key West	< 4
MEDIUM		358	12	Tanker Trailers, Frac Tanks Storage Tanks	Southern Waste Services Naval Air Station Key West	< 4
WORST-CASE	Tier 1	431	12	Tanker Trailers, Frac Tanks Storage Tanks 20,000 gal AST (D 1292 BR); 9,000 poly tank	Southern Waste Services Naval Air Station Key West Key West Pipeline Terminal	< 4
	Tier 2	718	36	Tanker Trailers, Frac Tanks Storage Tanks 20,000 gal AST (D 1292 BR); 9,000 gal poly tank	Southern Waste Services Naval Air Station Key West Key West Pipeline Terminal	< 4
	Tier 3	1149	60	Tanker Trailers, Frac Tanks Storage Tanks 20,000 gal AST (D 1292 BR); 9,000 gal poly tank	Southern Waste Services Naval Air Station Key West Key West Pipeline Terminal	< 4
<p>The amount of daily capacity required in every scenario and tier is twice the de-rated daily rate required for oil recovery devices. Temporary storage is typically empty tanks, temporary impoundments, or portable bladders.</p> <p>"Daily amount" implies reuse of available temporary storage by hauling off accumulations, freeing more capacity on a daily basis.</p>						

TABLE ERAP H.2: DISPOSAL PERMITS			
PERMIT TYPE	ISSUING AGENCY	EXISTING PERMIT/ GENERATOR NUMBER	COMMENTS
RCRA WASTE (federal)	EPA	FL6170022952	Transportation
RCRA WASTE (state)	EPA	FL6170022952	
BURNING (federal)	RRT	None	
BURNING (state)	Not Applicable	None	
DEAD WILDLIFE (federal)	USFWS	None	Call USFWS for instructions.
DEAD WILDLIFE (state)	Not Applicable	None	Call FLA DEP for instructions.
OTHER:	FDEP	State Oper. Facility Part B Permit	0124855-003-HO

TABLE ERAP H.3: HAZARDOUS WASTE TRANSPORTERS AND DISPOSAL FACILITIES			
ORGANIZATION (LOCATION)	DAY PHONE (24-HR PHONE)	SERVICE THEY PERFORM	THEIR CONDITIONS OF ACCEPTANCE
DRMO Patrick AFB	(407) 494-6507	National Resale and Contracted to dispose	Haz Material-Virgin Original Container
Chemical Conservation Corp. Orlando, FL	(407) 859-4441	Transportation Storage/Disposal	Petroleum/Non Hazardous contamination, MSDS, user knowledge and/or lab analysis
DRMO is the Defense Reutilization and Marketing Office; it takes most waste from Navy installations.			

*For a complete listing of available local contractors, see FRP Table 6.13

TABLE ERAP H.4: RE-USE AND DISPOSAL OF RECOVERED OIL	
TOPIC	DESCRIPTION OF METHODS, FACILITIES, AND PERSONNEL INVOLVED
SETTLING (in present storage)	No system or procedures identified
SETTLING (elsewhere)	No system or procedures identified
TESTING (for reusability)	CHLO Detect
OTHER TREATMENT OF RECYCLABLE OIL	No system or procedures identified
USE OF RECYCLABLE OIL	Contract disposal to approved carrier
DISPOSAL OF NON- RECYCLABLE OIL	DRMO
OTHER:	
This table assumes the temporary storage location to be the starting point.	

TABLE ERAP H.5: RE-USE AND DISPOSAL OF CONTAMINATED MATERIALS		
	TOPIC	DESCRIPTION OF METHODS, FACILITIES, AND PERSONNEL INVOLVED
SOIL	RECOVERY	Fire Department and Public Works personnel collect and package contaminated soil with available equipment to send to DRMO or other approved disposal facilities.
	TREATMENT	No methods established
	DISPOSAL	See FRP Table 6.13 for disposal locations
RESPONSE EQUIPMENT	DECONTAMINATION	The Fire Department and oil spill clean-up teams follow standard in-house decontamination procedures for all impacted equipment, respectively.
	DISPOSAL OR REUSE	Sorbents tested and disposed as non-regulated
PERSONAL PROTECTIVE EQUIPMENT	DECONTAMINATION	Decontamination techniques are conducted in accordance with manufacture suggested methods (IAW MSDS)
	DISPOSAL OR REUSE	Used/contaminated PPE is placed in approved DOT containers and disposed of as non-regulated waste
CHEMICALS	DECON SOLUTION DISPOSAL	Retain in DOT approved 55 gallon drums, tested as required by local, state and Federal regulations and disposed of in accordance with local, state and Federal regulations (non-regulated)

TABLE ERAP H.5: RE-USE AND DISPOSAL OF CONTAMINATED MATERIALS

TOPIC		DESCRIPTION OF METHODS, FACILITIES, AND PERSONNEL INVOLVED
	DISPERSANT DISPOSAL	Not Applicable
	OTHER DISPOSAL:	None
ADSORBENTS	REUSE	None
	DISPOSAL	Drum/test/dispose of as non-regulated waste as applicable
DEAD WILDLIFE		Dead federally endangered/threatened species will be turned over to the USFWS.
VEGETATION		Test/dispose of as non-regulated waste as applicable
SHORELINE DEBRIS		Test/dispose of as non-regulated waste as applicable
OTHER:		
Many Navy "oils" are fuels that evaporate readily, and cleanup often consists of airing affected material, but air quality boards may impose restrictions of release of hydrocarbon vapors.		

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TAB I — EVAC PLAN: EVACUATION PLAN

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TABLE ERAP I.1: INSTALLATION AND LOCAL EVACUATION PLANS		
PLAN AREA OR TYPE	COGNIZANT ORGANIZATION	WHERE COPY OF PLAN CAN BE FOUND
Naval Air Station Key West Disaster Preparedness Plan (DPP), order #3441.1ALPHA	Commander, Naval Air Station Key West Key West, FL	A copy of the DPP can be located at the Administration Office and with the Disaster Preparedness Officer in Building #A-324.

TABLE ERAP I.2: EVACUATION ALERTING			
ORGANIZATIONS TO BE ALERTED IF AN OPA 90 FACILITY IS EVACUATED		DAY PHONE	24-HR PHONE
Naval Air Station Key West	1. DISASTER PREPAREDNESS OFFICER	(305) 293-2268	(305) 797-1210
	2. SPILL NOTIFICATION CENTER	(305) 293-3333	(305) 293-3333
	3. NAVAL AIR STATION KEY WEST SECURITY	(305) 293-2114	(305) 293-2114
	4. EMERGENCY MANAGEMENT OFFICER	(305) 293-2007	(305) 293-2776
LOCAL AUTHORITIES (law enforcement, fire, emergency planning, etc.)	1. Monroe County Sheriff's Office	(305) 296-2424	911
	2. Florida Highway Patrol	(305) 292-6711	(305) 289-2383
	3. Florida Marine Patrol	(305) 289-2323	(800) 342-5367
	4. Key West Fire Department	(305) 292-8186	911
	5. Key West Police Department	(305) 292-2514	911
NEARBY INSTITUTIONS (schools, hospitals, etc.)	1. Lower Florida Keys Health System	(305) 294-5531	(305) 294-5531
	2. Fishermans Hospital	(305) 743-5533	(305) 743-5533
	3. Mariners Hospital	(305) 852-4418	(305) 852-4418
	4. Superintendent of Schools, Monroe County School Board	(305) 296-1400	(305) 296-1400
RADIO STATIONS	1. WAVK FM 106.3	(305) 743-3434	(305) 743-3434
	2. WFKZ FM 103.1	(305) 852-9085	(305) 852-9085
	3. WKRY FM 93.5	(305) 296-2435	(305) 296-2435
TELEVISION STATIONS	1. WPLG –TV 10	(305) 325-2370 (305) 325-2418 (305) 325-2354	(305) 325-2370
	2. WSVN – TV 7	(305) 795-2777	(305) 754-8243
	3. WTVJ – TV 4	(305) 789-4200	(305) 789-4200

TABLE ERAP I.3: EVACUATION PLANS: NAVAL AIR STATION KEY WEST

TOPIC		DISCUSSION OF KEY FACTS (OF USE DURING AN EMERGENCY)
HAZARDOUS SUBSTANCES (with toxicity or volume to possibly trigger facility evacuation)	INVENTORY (with quantity and storage location)	The facility is located on Boca Chica Key and Key West, Florida and stores a variety of hazardous substances in varying quantities and a total of approximately 1,100,000 gallons of petroleum products in above and underground storage tanks including fuel oil, diesel, jet fuel (JP-5), and gasoline.
	PROBABLE SPILL FLOW PATHWAYS	Most spilled fuel will be contained by the concrete containment. Fuel that escapes containment will flow toward nearby storm drains. Fuel that enters the storm drains will flow first into on base lagoons or drainage ditches, then into either into the Gulf of Mexico or the Atlantic Ocean if not contained.
	HAZARDS TO PERSONNEL	Petroleum products are flammable and present inhalation and skin contact hazards.
	WIND CONDITIONS AFFECTING HAZARDS	Vapors from petroleum products will be dispersed downwind. All personnel should be kept upwind of spilled petroleum. Buildings located downwind of large spills may need to be evacuated. This decision will be made after evaluating existing conditions. Spills on water may be affected by high wind speeds.
	WATER CONDITIONS AFFECTING HAZARDS	JP-5 and gasoline are lighter than water and will spread in the direction of the surface water flow. Fuel oil, diesel, oil and waste oil products will gradually dissolve and/or sink in water.
EVACUATION INITIATION	WHO DECLARES EVACUATION	The FIC will determine when an evacuation of part or all of KEY WEST NAVAL AIR STATION is required. The FIC in consultation with the FOOSC, and state officials will determine when an evacuation of the community surrounding NAVAL AIR STATION KEY WEST is required.
	HOW SURROUNDING AREA ALERTING INITIATED	The community surrounding NAVAL AIR STATION KEY WEST will be notified of the need for evacuation by local and state police.
	HOW FACILITY ALERTING INITIATED	Facility personnel will be initiated by the FIC through NAVAL AIR STATION KEY WEST Security.
	METHODS OF ALERTING FACILITY PERSONNEL	Security Personnel will alert facility personnel via trucks equipped with loudspeaker equipment. Also, Emergency Broadcast System, Disaster Control Net, telephone and any other means available may be used.
	ALARM/SIREN LOCATIONS	NONE
	ESTIMATED FACILITY EVACUATION TIME	1 hour
ON-SITE RESOURCES	"SAFE HAVEN" LOCATIONS	Safe Havens include Buildings 727, 994, 2076, and 283, according to the DPP, Tab B to Appendix 2 of Annex C in the Naval Air Station Key West OPLAN 1-90.
	EMERGENCY BREATHING GEAR LOCATIONS	Emergency breathing gear is located at the fire department.
DISASTER RESPONSE	FIRE/AMBULANCE ARRIVAL ROUTE	Fire/Ambulances should enter NAVAL AIR STATION KEY WEST through the Main Gates on Boca Chica and Key West (Truman Annex, Trumbo Point, and Sigsbee Point) and proceed to the FISC.
	MEDICAL FACILITY FOR INJURED	Naval Air Station Key West Medical Center, Building 4011 on Forrestal Street (Boca Chica). Key West Naval Hospital, Building L-1 on Roosevelt Street (Key West).
	HOW INJURED WILL BE TRANSPORTED	Injured personnel will be transported via ambulance.

TABLE ERAP I.3: EVACUATION PLANS: NAVAL AIR STATION KEY WEST

TOPIC		DISCUSSION OF KEY FACTS (OF USE DURING AN EMERGENCY)
INITIAL STAGING AREAS IN FACILITY	WHERE	Emergency Equipment and Personnel may be staged at Building C-1 behind the Bachelor Officer's Quarters.
	HOW PERSONNEL ARE ACCOUNTED FOR	The FISC officer is responsible for accounting for FISC personnel and visitors to the FISC.
EVACUATION ROUTES OUT OF FACILITY	HOW POSTED IN FACILITY	Evacuation routes are identified on ERAP Maps 1-1 through 1-7.
	ROUTES (primary)	The primary evacuation route is via air under the direction of CNI in liaison with the Military Airlift Command.
	ROUTES (secondary)	The secondary evacuation route is through the Main Gate at each respective facility.
SAFE STAGING AREA(S) OUTSIDE FACILITY	LOCATION OF AREA(S)	NONE
	ROUTE FROM FACILITY (primary)	Facility Personnel should proceed through the main gate and proceed North on U.S. Route 1 until sufficiently distanced from the area.
	ROUTE FROM FACILITY (secondary)	The only other route from the facility would involve air or water transport.
	HOW PERSONNEL ARE ACCOUNTED FOR	Personnel will be logged out of / into the staging area by supervisor of responding units.
COMMAND CENTER	WHERE	Information Operations Center (IOC) Building A-324
	COMMUNICATIONS CAPABILITIES	Telephone: (305) 293-2268
COMMENTS:		

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TAB J: MAPS

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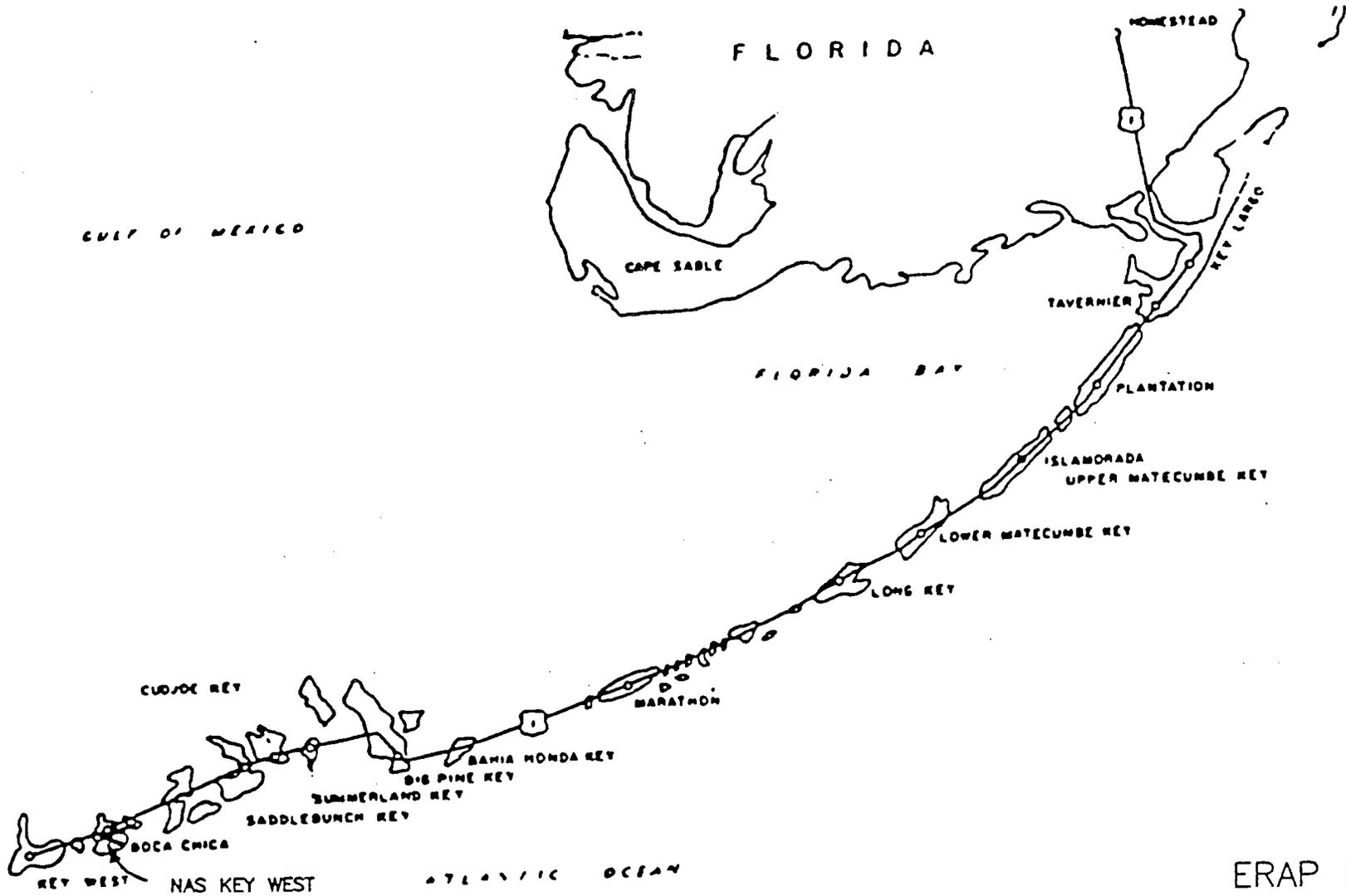
MAPS ERAP: J-3

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TAB J: MAPS

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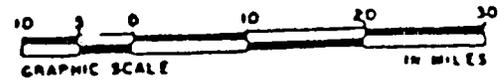


ERAP MAP # 1



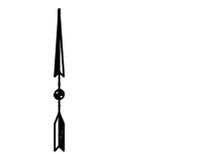
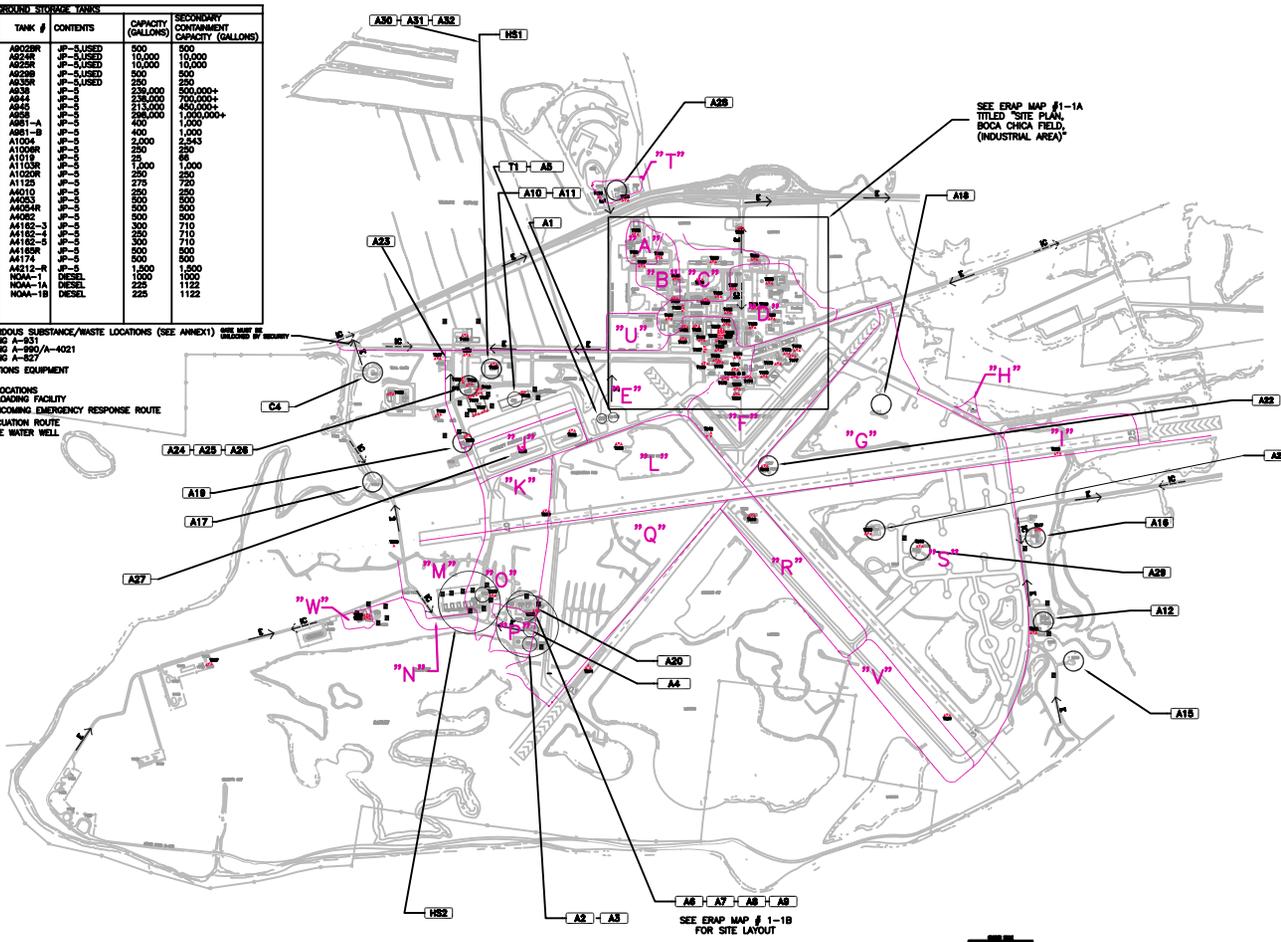
FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

REGIONAL MAP
 NAVAL AIR STATION
 KEY WEST, FLORIDA



MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A1	AB02BR	JP-8 LIQUID	500	500
A2	AB22BR	JP-8 LIQUID	10,000	10,000
A3	AB22BR	JP-8 LIQUID	10,000	10,000
A4	AB22BR	JP-8 LIQUID	500	500
A5	AB32BR	JP-8 LIQUID	200	200
A6	AB32BR	JP-8 LIQUID	200	200
A7	AB44	JP-8	238,000	500,000+
A8	AB45	JP-8	238,000	700,000+
AB	AB58	JP-8	238,000	450,000+
AB	AB58	JP-8	238,000	1,000,000+
A10	AB7-4	JP-8	400	1,000
A11	AB81-B	JP-8	400	1,000
A12	A1004	JP-8	2,000	2,543
A15	A1006R	JP-8	200	200
A16	A1019	JP-8	200	68
A17	A1020R	JP-8	1,200	1,200
A18	A1020R	JP-8	200	200
A19	A1125	JP-8	275	700
A20	A4010	JP-8	200	200
A21	A4025	JP-8	500	500
A22	A4024R	JP-8	500	500
A23	A4022	JP-8	500	500
A24	A4182-3	JP-8	300	710
A25	A4182-4	JP-8	300	710
A26	A4182-5	JP-8	300	710
A27	A4182R	JP-8	500	500
A28	A4174	JP-8	500	500
A28	AA212-R	JP-8	1,800	1,800
A30	NOM-1	DIESEL	1,000	1,000
A31	NOM-1A	DIESEL	225	1122
A32	NOM-1B	DIESEL	225	1122

BULK HAZARDOUS SUBSTANCE/WASTE LOCATIONS (SEE ANNEX 1) ONE MILE W. OF WILSON W. HIGHWAY
 H51 BUILDING A-831
 H52 BUILDING A-890/A-4021
 H53 BUILDING A-857
 COMMUNICATIONS EQUIPMENT
 CA FUELS
 TRANSFER LOCATIONS
 T1 TRUCK LOADING FACILITY
 -R- INCHING EMERGENCY RESPONSE ROUTE
 -E- ENCHICATION ROUTE
 -W- FIRE WATER WELL



LINE #	DESCRIPTION	STATUS
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LINE #	DESCRIPTION	STATUS
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LEGEND
 - 16 TRANSFORMER LOCATION
 - 36 TRANS. OR 2-18 TRANS.
 - TRANS. IDENTIFICATION (SEQUENTIAL)
 - STORAGE WATER BASH BOUNDARIES

NOTE: AN INVENTORY OF TRANSFORMERS IS INCLUDED IN APPENDIX E OF THE JULY 2007 SPOC PLAN

ERMP MAP #1-1

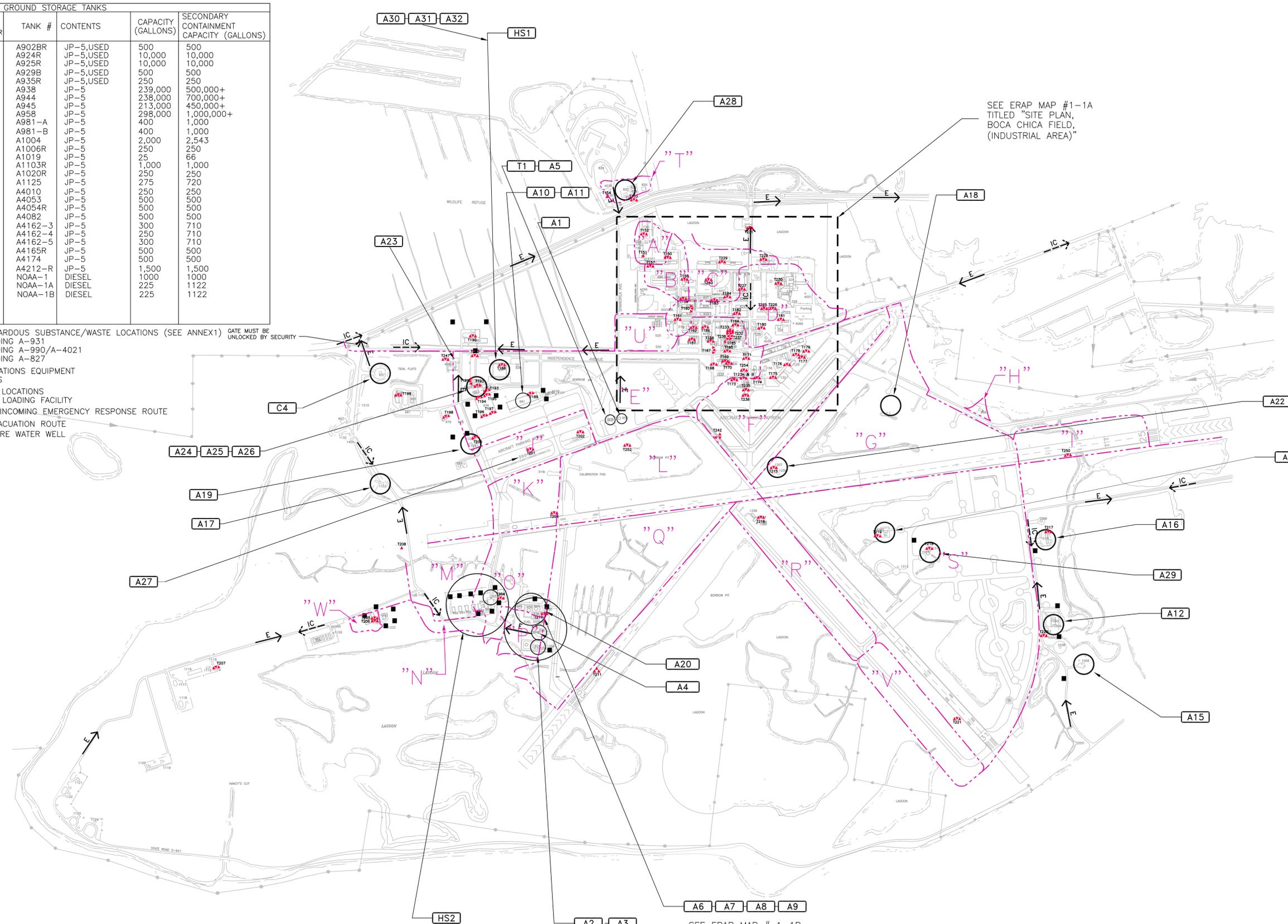
FACILITY RESPONSE PLAN
 H&G KEY
 KEY WEST, FLORIDA

**SITE PLAN
 BOCA CHICA FIELD
 PLAN AREA**

By: Jay G. Paul To: Jay H&G
 G. Jay A. Butler App. by: H&G
 Date: 07/24/07 ERMP Response MAP #1-1 of 1

ABOVE GROUND STORAGE TANKS				
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A1	A902BR	JP-5,USED	500	500
A2	A924R	JP-5,USED	10,000	10,000
A3	A925R	JP-5,USED	10,000	10,000
A4	A929B	JP-5,USED	500	500
A5	A935R	JP-5,USED	250	250
A6	A938	JP-5	239,000	500,000+
A7	A944	JP-5	238,000	700,000+
A8	A945	JP-5	213,000	450,000+
A9	A958	JP-5	238,000	1,000,000+
A10	A981-A	JP-5	400	1,000
A11	A981-B	JP-5	400	1,000
A12	A1004	JP-5	2,000	2,543
A15	A1006R	JP-5	250	250
A16	A1019	JP-5	25	66
A17	A1103R	JP-5	1,000	1,000
A18	A1020R	JP-5	250	250
A19	A1125	JP-5	275	720
A20	A4010	JP-5	250	250
A21	A4053	JP-5	500	500
A22	A4054R	JP-5	500	500
A23	A4082	JP-5	500	500
A24	A4162-3	JP-5	300	710
A25	A4162-4	JP-5	250	710
A26	A4162-5	JP-5	300	710
A27	A4165R	JP-5	500	500
A28	A4174	JP-5	500	500
A29	A4212-R	JP-5	1,500	1,500
A30	NOAA-1	DIESEL	1000	1000
A31	NOAA-1A	DIESEL	225	1122
A32	NOAA-1B	DIESEL	225	1122

- BULK HAZARDOUS SUBSTANCE/WASTE LOCATIONS (SEE ANNEX1) GATE MUST BE UNLOCKED BY SECURITY
- HS1 BUILDING A-931
 - HS2 BUILDING A-990/A-4021
 - HS3 BUILDING A-827
- COMMUNICATIONS EQUIPMENT
- C4 FUELS
- TRANSFER LOCATIONS
- T1 TRUCK LOADING FACILITY
- INCOMING EMERGENCY RESPONSE ROUTE
 - EVACUATION ROUTE
 - FIRE WATER WELL



OIL DRUM STORAGE	
LOCATION	CAPACITY (GALLONS)
DRUMS AT SMALL ENGINE REPAIR (BLDG. A-329)	USED OIL, MOTOR OIL/1-2 @ 55
DRUMS AT AUTO HOBBY SHOP (BLDG. A-4185)	USED OIL /1-2 @ 55
DRUMS AT VEHICLE WASHRACK (BLDG. A-4185)	USED OIL /1-2 @ 55
DRUMS AT OMD-ARRESTING GEAR (BLDG. A-123)	USED OIL /2 @ 55
DRUMS AT OPS-OMD (BLDG. A-331)	NEW OIL/1 @ 55
DRUMS AT VP-101 (BLDG. A-981)	NEW OIL/USED OIL/ 2 @ 55
DRUMS AT AIMD HQ (BLDG. A-980)	NEW OIL/USED OIL/ 2 @ 55
DRUMS AT AIMD-GSE (BLDG. A-985)	NEW OIL/2 @ 55
DRUMS AT CSU-402 (BLDG. A-734)	NEW OIL/2 @ 55
DRUMS AT PAD-TRANS (BLDG. A-438)	NEW OIL/3 @ 55
GALLEY AT BOCA CHICA (NAVIGATOR'S BAR AND GRILL (MARINA AT BOCA CHICA))	GREASE/55
BOWLING ALLEY AT BOCA CHICA	GREASE/55

OIL WATER SEPARATORS		
TANK #	CONTENTS	CAPACITY (GALLONS)
OWS-A-318	PWD VEHICLE WASH RACK (BLDG. A-318)	OILY WATER, OILS AND GRIT/2,000
OWS-A-443	PWD HEAVY EQUIPMENT (BLDG. A-443)	OILY WATER, OILS AND GRIT/500
OWS-A-981	AIRCRAFT WASH RACK (BLDG. A-981)	OILY WATER, OILS AND GRIT/1,000
OWS-A-986	AIMD/GSE (BLDG. A-986)	OILY WATER, OILS AND GRIT/500
NA	TRUCK FILL STAND (CONTAINMENT AREA FOR TRUCK PARKING)	OILY WATER, OILS AND GRIT/1,500
NA	AIR START SYSTEM	OILY WATER, OILS AND GRIT/3,500

- LEGEND
- ▲ - 1Ø TRANSFORMER LOCATION
 - ▲▲ - 3Ø TRANS. OR 3-1Ø TRANS.
 - 11 - TRANS. IDENTIFICATION (SEQUENTIAL)
 - - STORM WATER BASIN BOUNDARIES

NOTE: AN INVENTORY OF TRANSFORMERS IS INCLUDED IN APPENDIX E OF THE July 2007 SPCC PLAN

ERAP MAP #1-1

FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

SITE PLAN
BOCA CHICA FIELD
PLAN AREAS

Dr by: G. Paul	Tr by: NAME
Ck by: A. Sarkar	App by: NAME
Date: 07/06/07	DWG Name: ERAP MAP #1-1

Sheet 1 Of 1

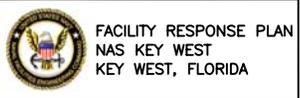
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
B24R	AB24	LP-G	10,000	10,000
B25R	AB25	LP-G	10,000	10,000
B38	AB38	LP-G	238,000	500,000+
B44	AB44	LP-G	238,000	700,000+
B45	AB45	LP-G	213,000	480,000+
B55	AB55	LP-G	288,000	1,000,000+
AG25B	AB25B	LP-G	500	500
AG10	AB10	LP-G	500	500
NA	BOCA CHICA FIELD	ONLY WATER, OILS AND GMS/1,000		

GENERAL FLOW DIRECTION
 FIRE WATER WELL
 THROUGH DRZ DRAIN VALVE



NOTE: AN INVENTORY OF TRANSFORMERS IS INCLUDED IN APPENDIX E OF THE JULY 2007 SPCC PLAN

- LEGEND
- 1# TRANSFORMER LOCATION
 - 3# TRANS. OR 3-1# TRANS.
 - TRANS. IDENTIFICATION (SEQUENTIAL)
- ERAP MAP #1-1B



FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

TANK FARM
 BOCA CHICA FIELD
 PLAN AREAS

DWG DATE: 07/06/07 NAME:



MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A80	290-R	JPS	6,000	6,000
A81	290-A	JPS	150	150
A82	1352	JPS	800	800
A83	290-ER	JPS	6,000	6,000
A84	1356	JPS	250	250
A85	1278-BH	JPS	6,000	6,000
A86	K-437	JPS	500	500
A87	A39-R	JPS	500	500
A88	281	JPS	4,000	4,000
A89	1331-R	JPS	500	500
A90	H199-FT	JPS	6,000	6,000

EMERGENCY RESPONSE EQUIPMENT
 ES OIL SPILL RESPONSE OFFICE AND MAJOR EQUIPMENT STORAGE
 COMMUNICATIONS EQUIPMENT
 CS OIL SPILL RESPONSE OFFICE
 TRANSFER LOCATIONS
 TS TANK TRUCK (MOBILE MTR FACILITY) TO VESSEL FUELING LOCATION
 -> RECEIVING EMERGENCY RESPONSE ROUTE
 -> EVACUATION ROUTE
 ■ FIRE WATER WELL

NOTE: AN INVENTORY OF TRANSFORMERS IS INCLUDED IN APPENDIX E OF THE JULY 2007 SPOC PLAN

- LEGEND
- ▲ - 1# TRANSFORMER LOCATION
 - ▲* - 3# TRANS. OR 3-1# TRANS.
 - T# - TRANS. IDENTIFICATION (REGISTRATION)
 - - - - STORM WATER DRAINAGE BASIN

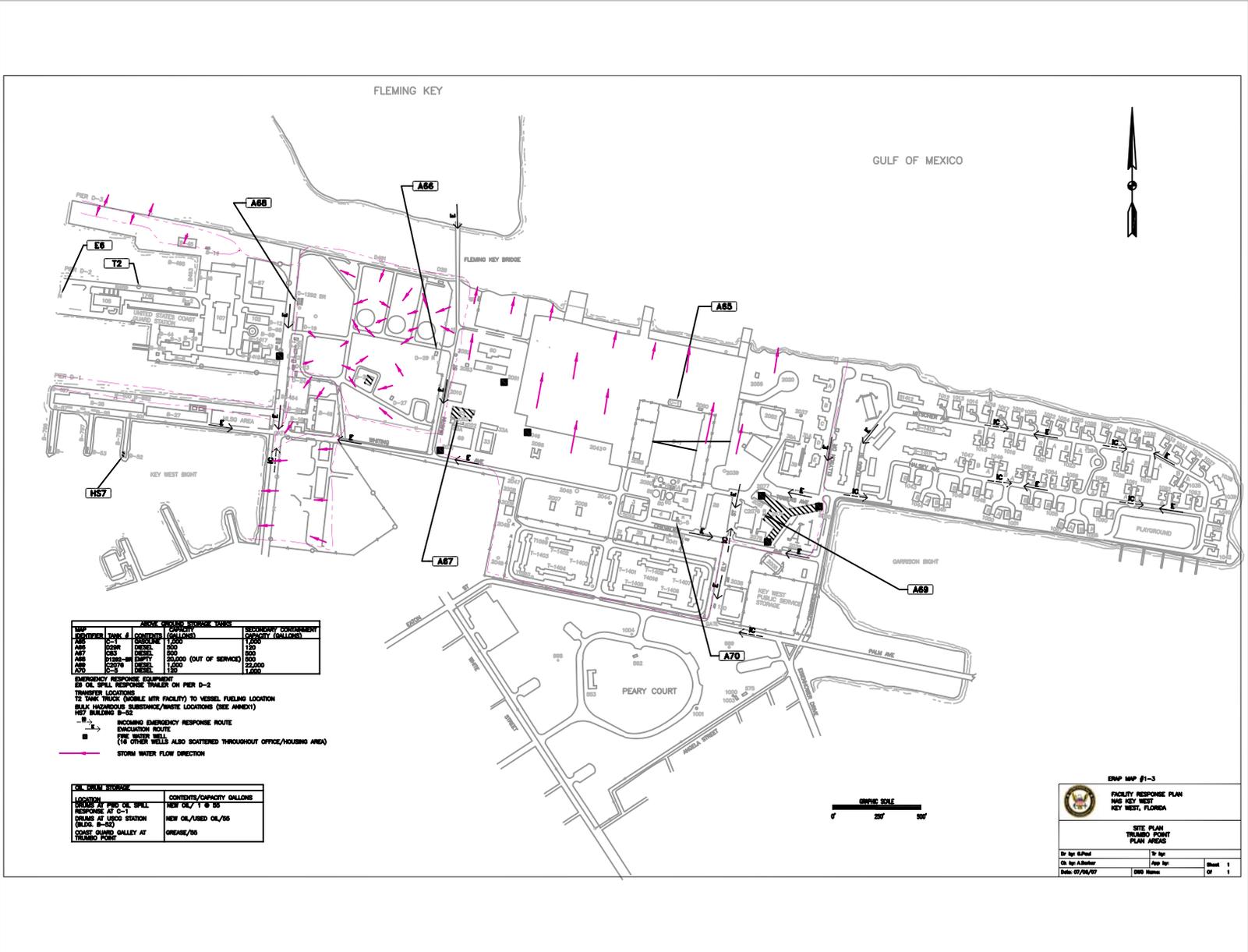
ERAP MAP #1-2



FACILITY RESPONSE PLAN
 HAS KEY WEST
 KEY WEST, FLORIDA

SITE PLAN
 TRANSFORMER
 PLAN AREAS

Dr. for 0/Prod	Dr. for	Sheet
Ch. for A/Baker	Rev. for	1
Date: 08/24/07	088 Name	01 1



FLEMING KEY

GULF OF MEXICO

IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY COMPONENT
A66	1	DIESEL	1200	
A67	2	DIESEL	200	120
A68	3	DIESEL	200	200
A69	4	DIESEL	2000 (OUT OF SERVICE)	200
A70	5	DIESEL	1500	25,000
A71	6	DIESEL	1200	1,600

EMERGENCY RESPONSE EQUIPMENT
 B6 OIL SPILL RESPONSE TRAILER ON PIER D-2
 T2 TANK TRUCK (MOBILE NFR FACILITY) TO VESSEL FUELING LOCATION
 TRANSFER LOCATIONS
 BULK WAREHOUSE SUBSTANCE/WATER LOCATIONS (SEE ANNEX)
 H57 BUILDING B-02

INCOMING EMERGENCY RESPONSE ROUTE
 EVACUATION ROUTE
 FIRE WATER WELLS (14 OTHER WELLS ALSO SCATTERED THROUGHOUT OFFICE/HOUSING AREA)
 STORM WATER FLOW DIRECTION

LOCATION	CONTENTS/CAPACITY GALLONS
TRAILER AT PIER D-2	NEW OIL/USED OIL/50
RESPONSE AT C-1	NEW OIL/USED OIL/50
CRANE AT QUON STATION (BLDG. B-02)	NEW OIL/USED OIL/50
CRANE BEARING GALLERY AT TRANSFER POINT	GREASE/50

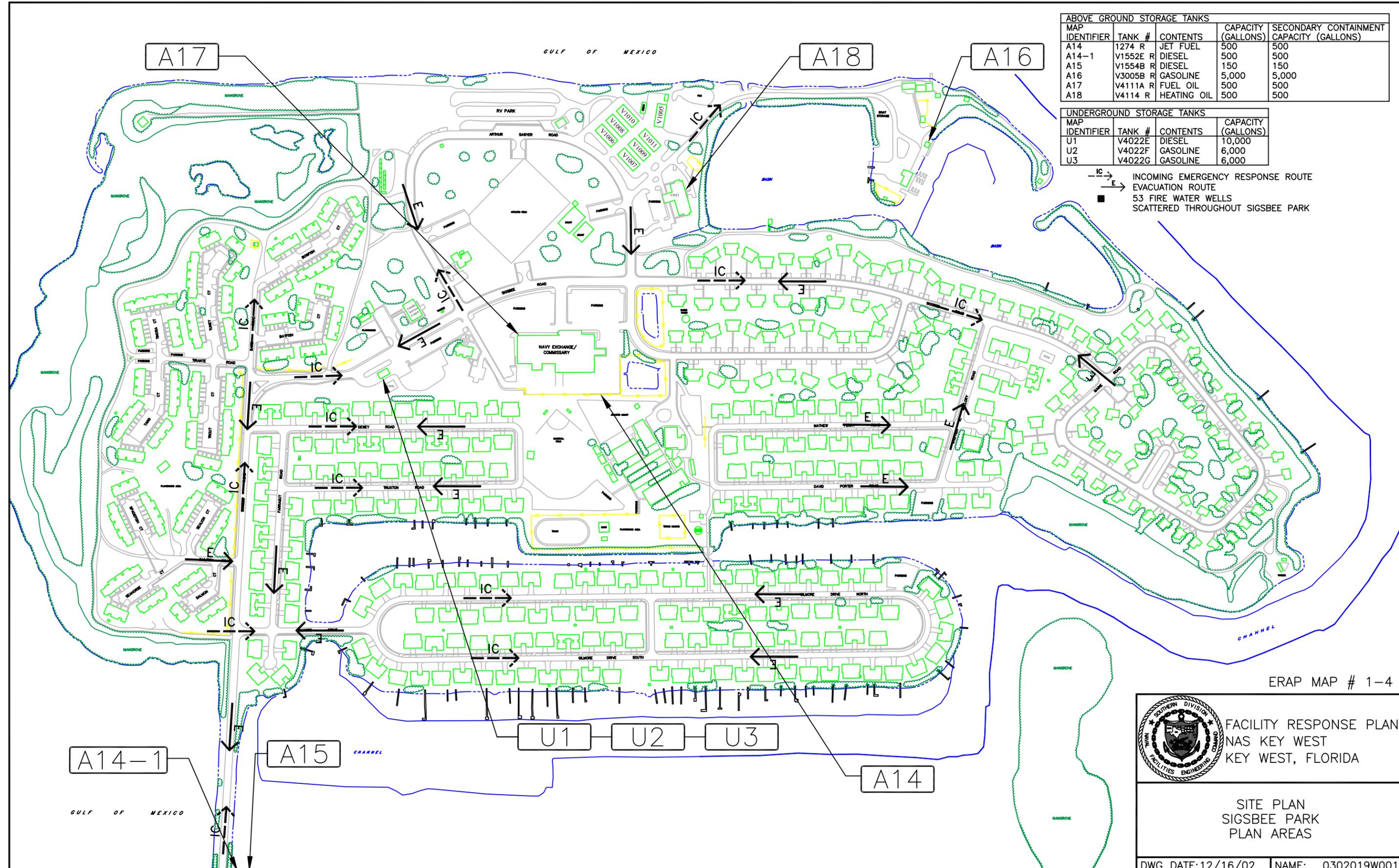
GRAPHIC SCALE
 0 200 400

ERP MAP #1-3

FACILITY RESPONSE PLAN
 HAS KEY WEST
 KEY WEST, FLORIDA

SITE PLAN
 TRAILER POINT
 PLAN AREAS

By: Mr. G. Paul To: Mr. Date: 07/04/07 App. No: Sheet 1 of 1
 Drawn By: Mr. A. Baker Date: 07/04/07 DWD Name:



ABOVE GROUND STORAGE TANKS				
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A14	1274 R	JET FUEL	500	500
A14-1	V1552E R	DIESEL	500	500
A15	V1554B R	DIESEL	150	150
A16	V3005B R	GASOLINE	5,000	5,000
A17	V4111A R	FUEL OIL	500	500
A18	V4114 R	HEATING OIL	500	500

UNDERGROUND STORAGE TANKS			
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)
U1	V4022E	DIESEL	10,000
U2	V4022F	GASOLINE	6,000
U3	V4022G	GASOLINE	6,000

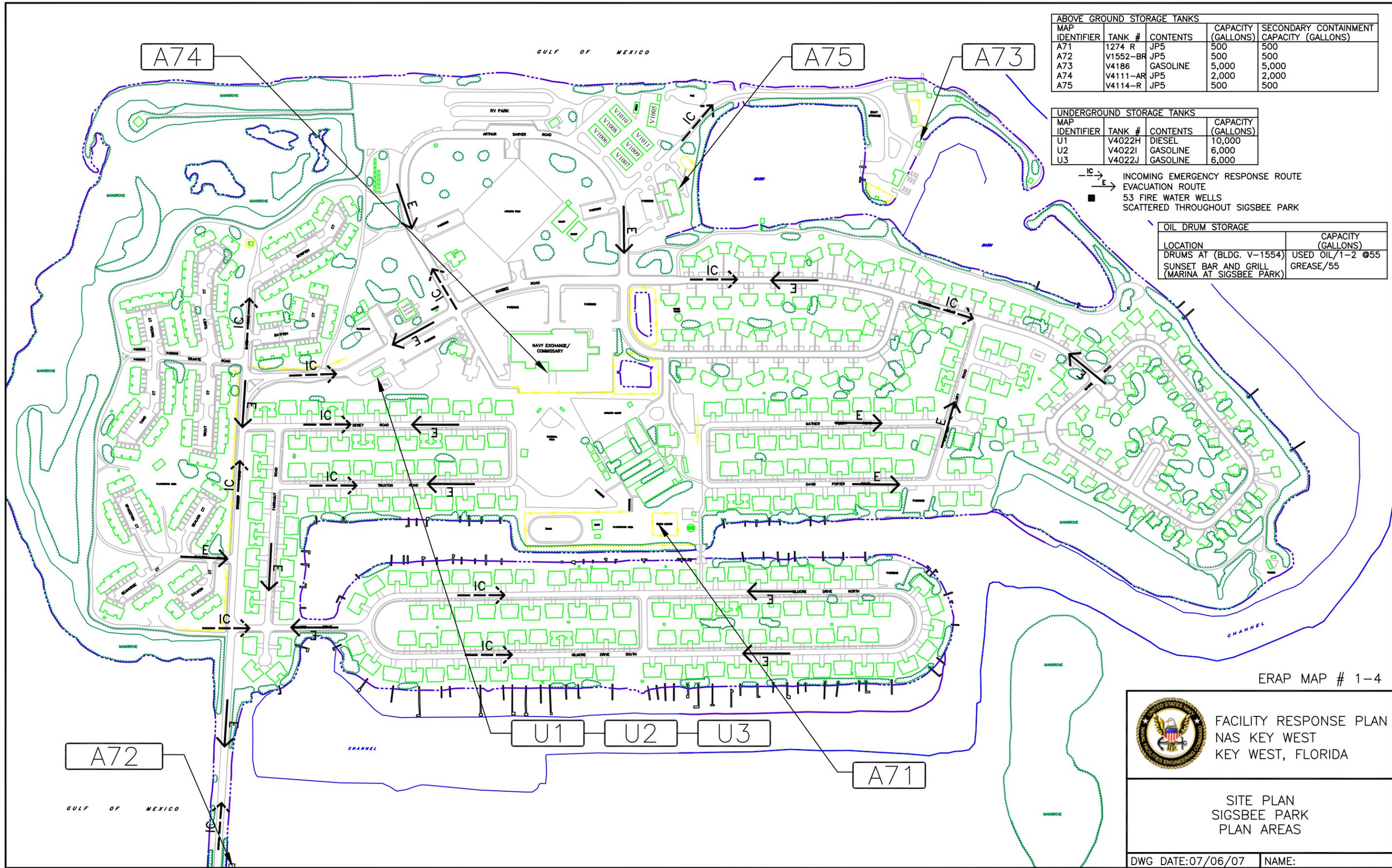
INCOMING EMERGENCY RESPONSE ROUTE
 EVACUATION ROUTE
 53 FIRE WATER WELLS SCATTERED THROUGHOUT SIGSBEE PARK

ERAP MAP # 1-4



FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

SITE PLAN
 SIGSBEE PARK
 PLAN AREAS



ABOVE GROUND STORAGE TANKS				
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A71	1274-R	JP5	500	500
A72	V1552-BR	JP5	500	500
A73	V4186	GASOLINE	5,000	5,000
A74	V4111-AR	JP5	2,000	2,000
A75	V4114-R	JP5	500	500

UNDERGROUND STORAGE TANKS			
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)
U1	V4022H	DIESEL	10,000
U2	V4022I	GASOLINE	6,000
U3	V4022J	GASOLINE	6,000

-IC- INCOMING EMERGENCY RESPONSE ROUTE
 E EVACUATION ROUTE
 ■ 53 FIRE WATER WELLS
 SCATTERED THROUGHOUT SIGSBEE PARK

OIL DRUM STORAGE	
LOCATION	CAPACITY (GALLONS)
DRUMS AT (BLDG. V-1554)	USED OIL/1-2 @55
SUNSET BAR AND GRILL (MARINA AT SIGSBEE PARK)	GREASE/55

ERAP MAP # 1-4



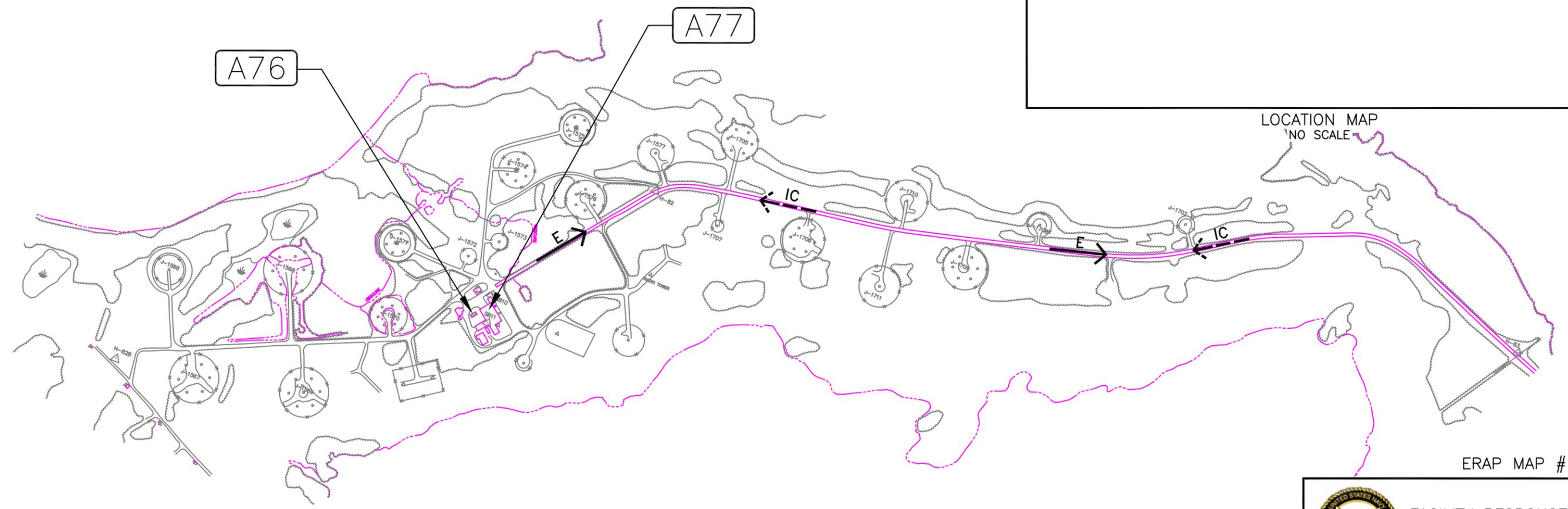
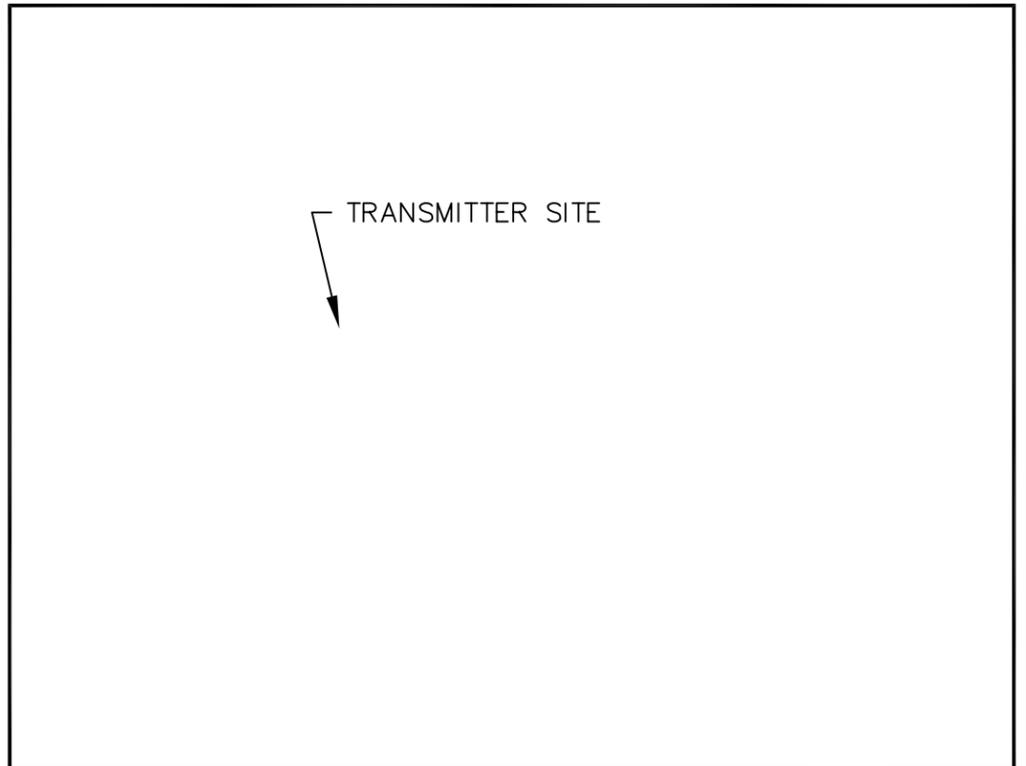
FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

SITE PLAN
 SIGSBEE PARK
 PLAN AREAS

DWG DATE: 07/06/07 NAME:

ABOVE GROUND STORAGE TANKS				
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A76	J-1563 R	JP-5	10,000	10,732
A77	J-1561 A	JP-5	200	INSIDE BUILDING

 INCOMING EMERGENCY RESPONSE ROUTE
 EVACUATION ROUTE
 ONE FIRE WATER WELL ON SITE



LOCATION MAP
NO SCALE

ERAP MAP # 1-5



FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

SITE PLAN
TRANSMITTER SITE
SADDLEBUNCH KEY
PLAN AREAS

DWG DATE: 05/31/07 NAME:

A79 A79B A79C A79D

A78

A80

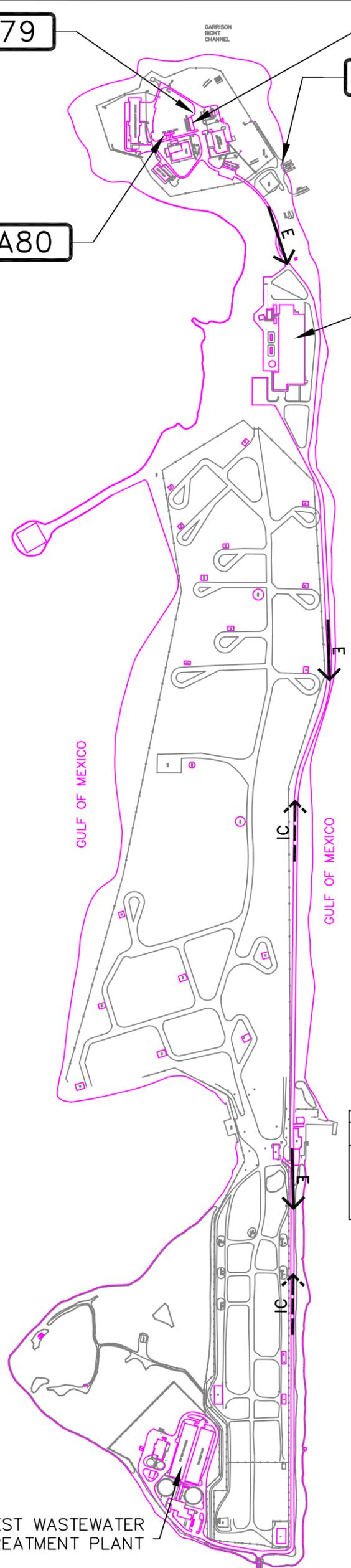
GULF OF MEXICO

DEPARTMENT OF AGRICULTURE
ANIMAL IMPORT CENTER

GULF OF MEXICO



TO KEY WEST / TRUMBO POINT



ABOVE GROUND STORAGE TANKS				
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A78	F02	GASOLINE	4,000	4,000
A79	F01	DIESEL	2,000	4,344
A79B	F-01-B	DIESEL	50	>50
A79C	F-01-C	DIESEL	50	>50
A79D	F-01-D	DIESEL	25	>50
A80	KW-400	DIESEL	250	140

INCOMING EMERGENCY RESPONSE ROUTE
 EVACUATION ROUTE
 FIRE WATER WELL

OIL WATER SEPARATORS		
TANK #	LOCATION	CONTENTS/CAPACITY (GALLONS)
KW-600	OIL-WATER SEPARATOR FOR BLDG. KW-600, FLEMING KEY (NO LONGER USED)	USED OIL/400

OIL DRUM STORAGE		
LOCATION	CONTENTS/CAPACITY (GALLONS)	
FLEMING KEY	DRUMS AT BLDG. KW-600	NEW OIL/1 @ 55
FLEMING KEY	SPECIAL FORCES CENTER (FLEMING KEY)	GREASE/55

KEY WEST WASTEWATER TREATMENT PLANT

MUSTIN STREET
FLEMING KEY BRIDGE

DATE OF PHOTOGRAPHY: NOVEMBER 3, 1994

 500 FT. GRID BASED ON FLORIDA EAST ZONE RECTANGULAR GRID SYSTEM, N.A.D. 1983.

ERAP MAP #1-6



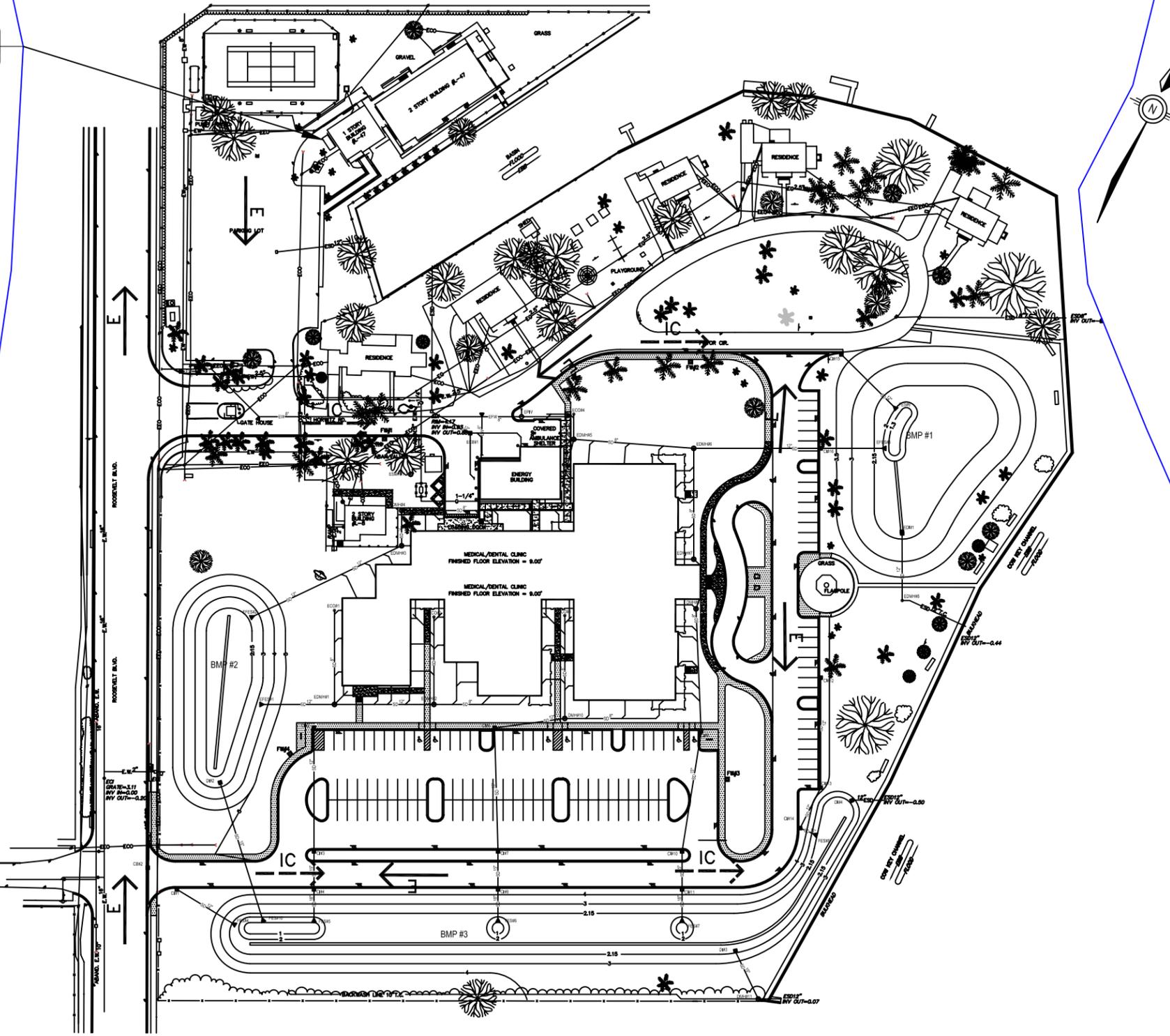
FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

SITE PLAN
FLEMING KEY
PLAN AREAS

DWG DATE: 05/31/07

NAME:

A63



ABOVE GROUND STORAGE TANKS				
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A63	L47 R	JET FUEL	250	250

-IC→ INCOMING EMERGENCY RESPONSE ROUTE
 →E→ EVACUATION ROUTE
 ■ FIRE WATER WELL

ERAP MAP # 1-7



FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

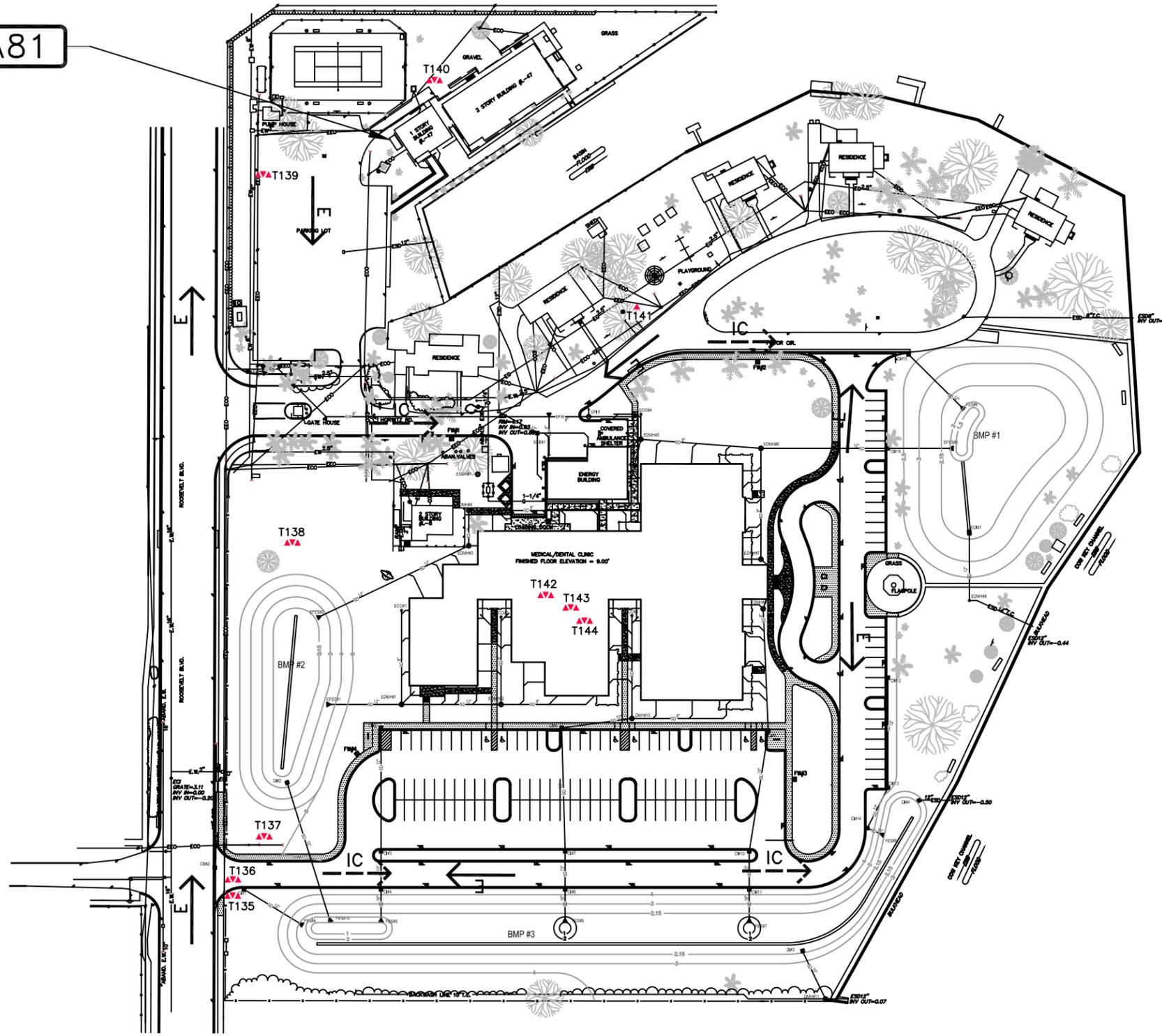
SITE PLAN
 NAVAL HOSPITAL
 PLAN AREAS

DWG DATE:02/17/03 NAME: 0302019W004

ABOVE GROUND STORAGE TANKS				
MAP IDENTIFIER	TANK #	CONTENTS	CAPACITY (GALLONS)	SECONDARY CONTAINMENT CAPACITY (GALLONS)
A81	L47 R	JET FUEL	250	250

- IC → INCOMING EMERGENCY RESPONSE ROUTE
- E → EVACUATION ROUTE
- FIRE WATER WELL

A81



NOTE: AN INVENTORY OF TRANSFORMERS IS INCLUDED IN APPENDIX E OF THE June 2007 SPCC PLAN

LEGEND

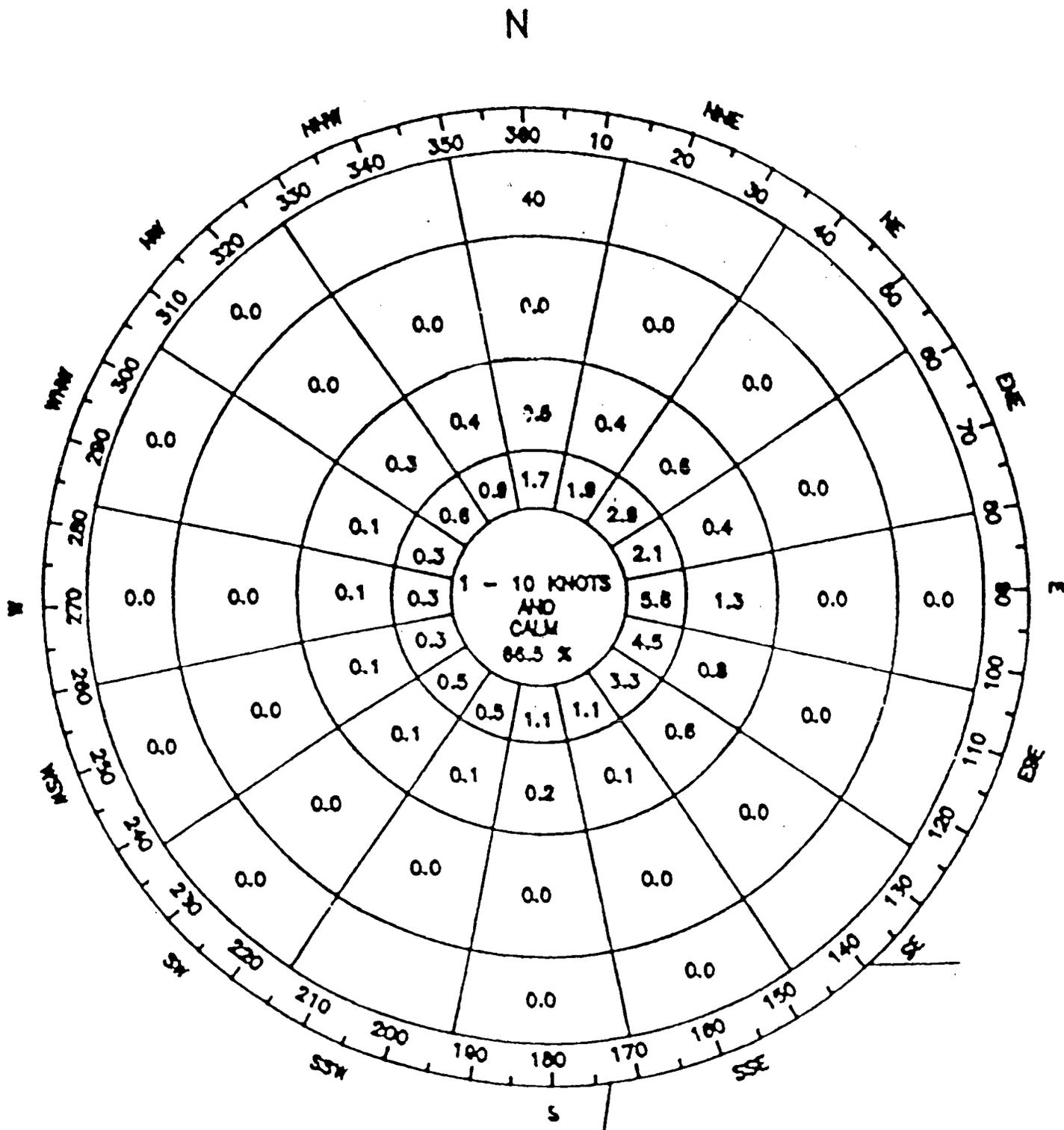
- ▲ - 1Ø TRANSFORMER LOCATION
- ▲▲ - 3Ø TRANS. OR 3-1Ø TRANS.
- T1 - TRANS. IDENTIFICATION (SEQUENTIAL)

ERAP MAP # 1-7



FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

SITE PLAN
 NAVAL HOSPITAL
 PLAN AREAS



ERAP MAP #1-8

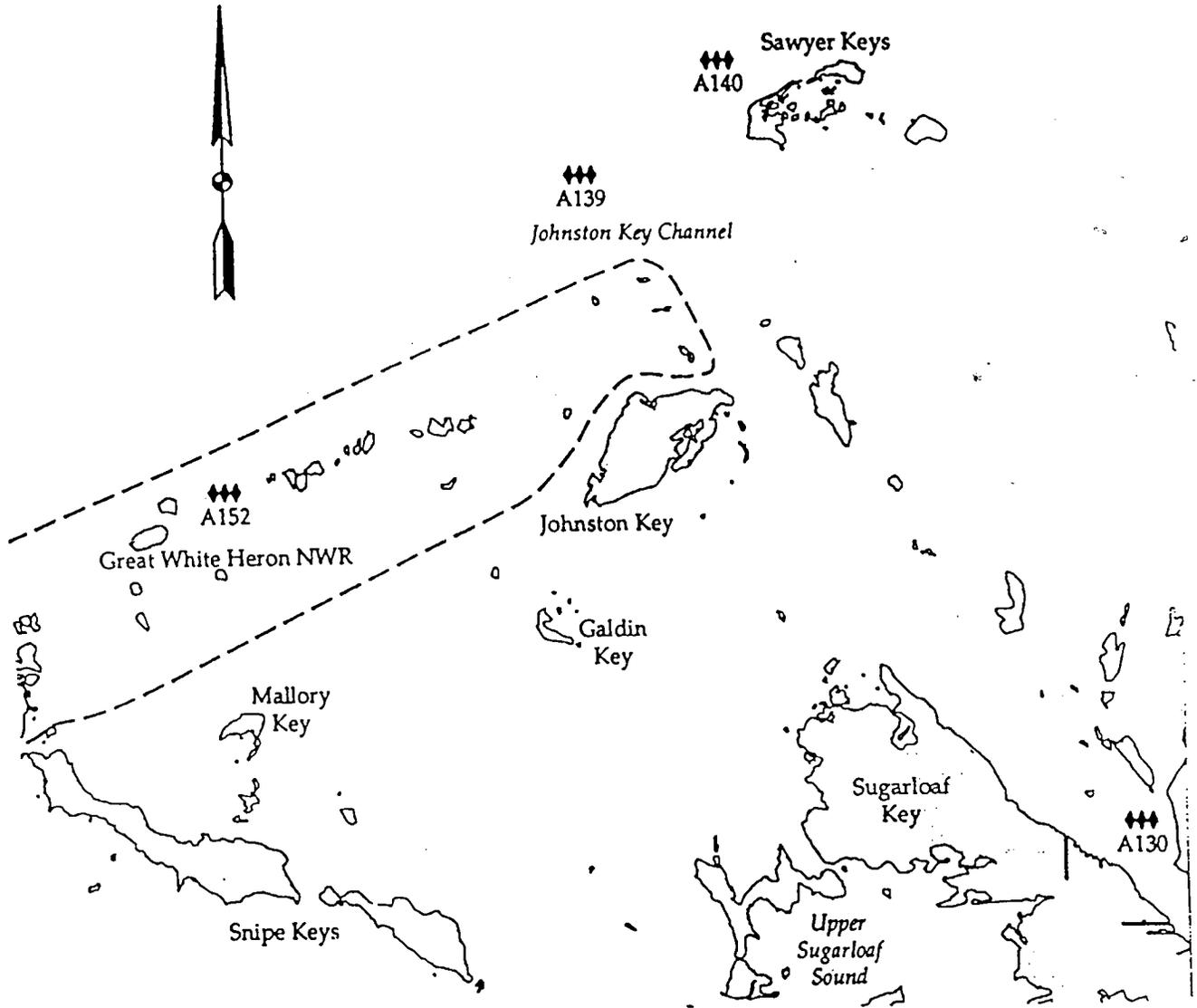


FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

WIND ROSE

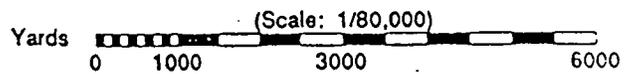
DATE: 02/15/95

DWG NAME: KERAP



LEGEND

- ◆◆◆ A27 Highest protection priority
- ◆◆ B26 Protect after A areas
- ◆ C25 Protect after B areas



ERAP MAP # 2

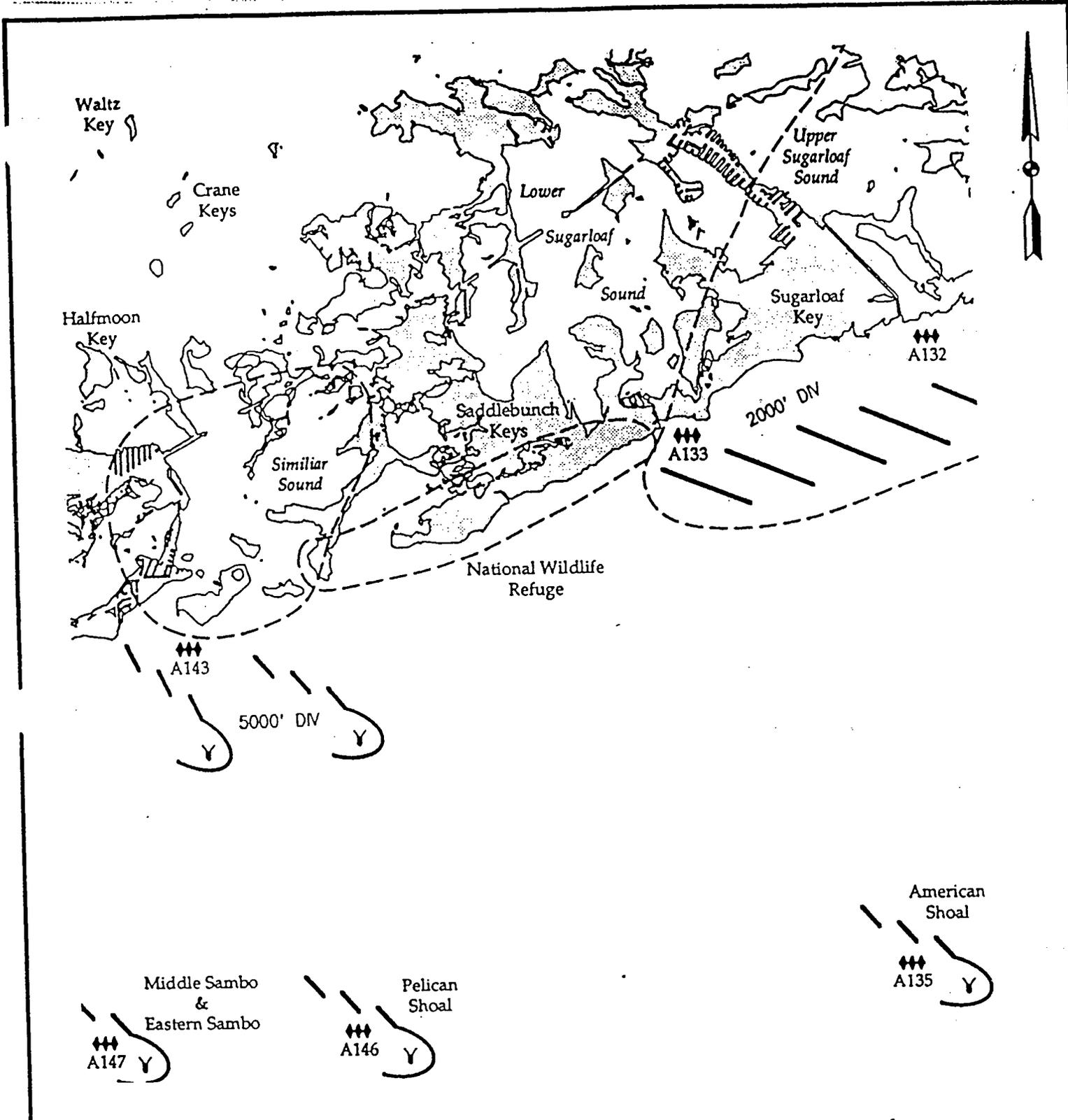


FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

SENSITIVE AREAS AND
 PROTECTION STRATEGIES
 MIAMI ACP MAP 35

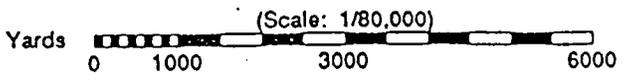
DATE: 02/15/95

DWG NAME: ERAP2



LEGEND

- ◆◆◆ Highest protection priority
- ◆◆◆ A27
- ◆◆ Protect after A areas
- ◆◆ B26
- ◆ Protect after B areas
- ◆ 15
- Boom
- Y Skimmer



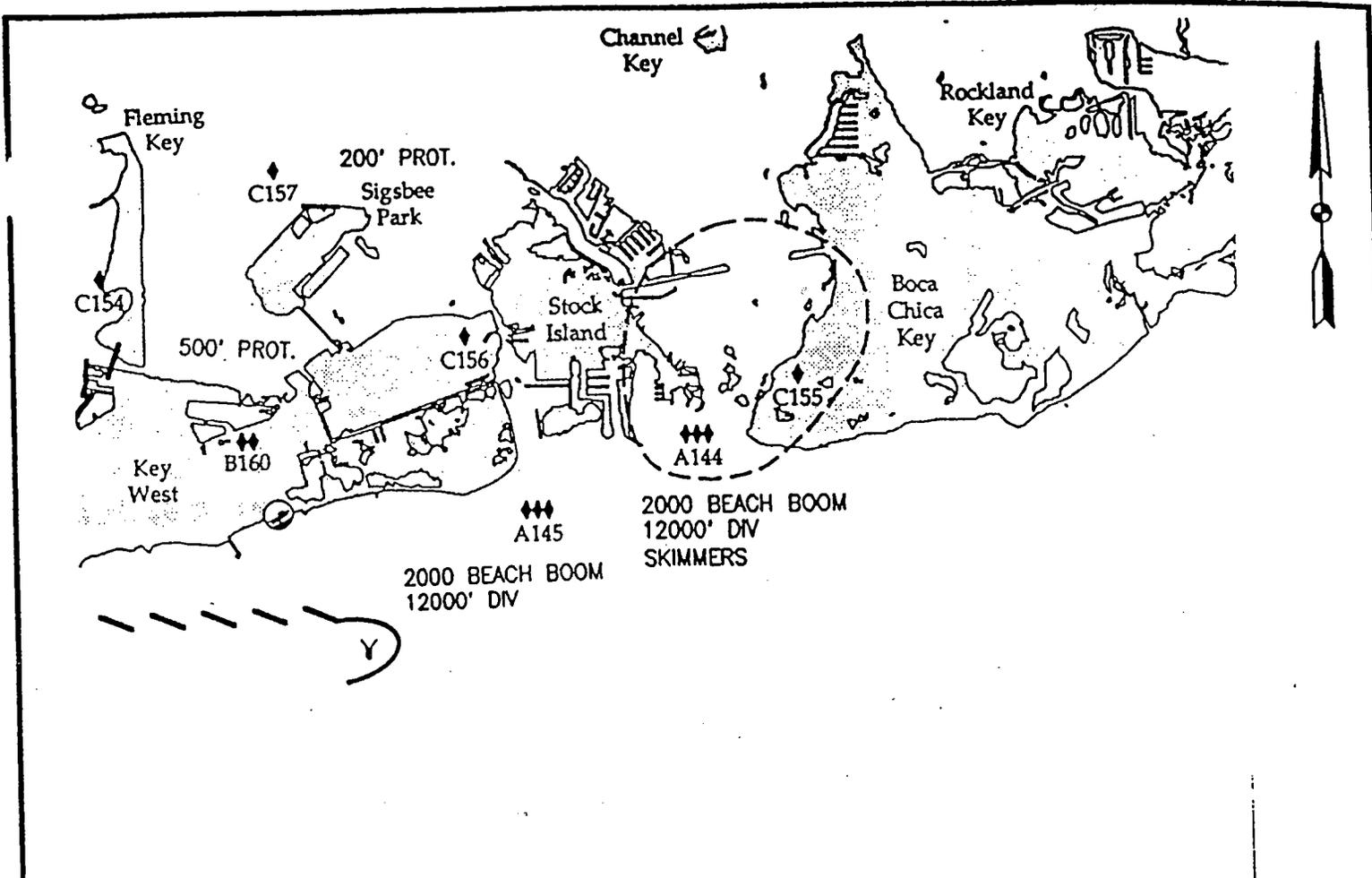
ERAP MAP # 3



FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

SENSITIVE AREAS AND
 PROTECTION STRATEGIES
 MIAMI ACP MAP 36

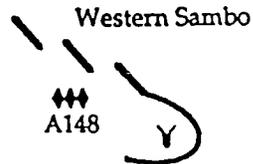
DATE: 02/15/95 DWG NAME: KERAP3



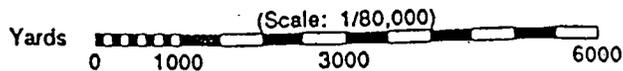
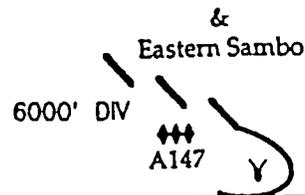
LEGEND

- ◆◆◆ Highest protection priority
- ◆◆◆ A27
- ◆◆ Protect after A areas
- ◆◆ B26
- ◆ Protect after B areas
- ◆ C25
- ⊙ Boat Ramp
- Boom
- Y Skimmer

6000' DIVERSION BOOM



Middle Sambo & Eastern Sambo



ERAP MAP # 4

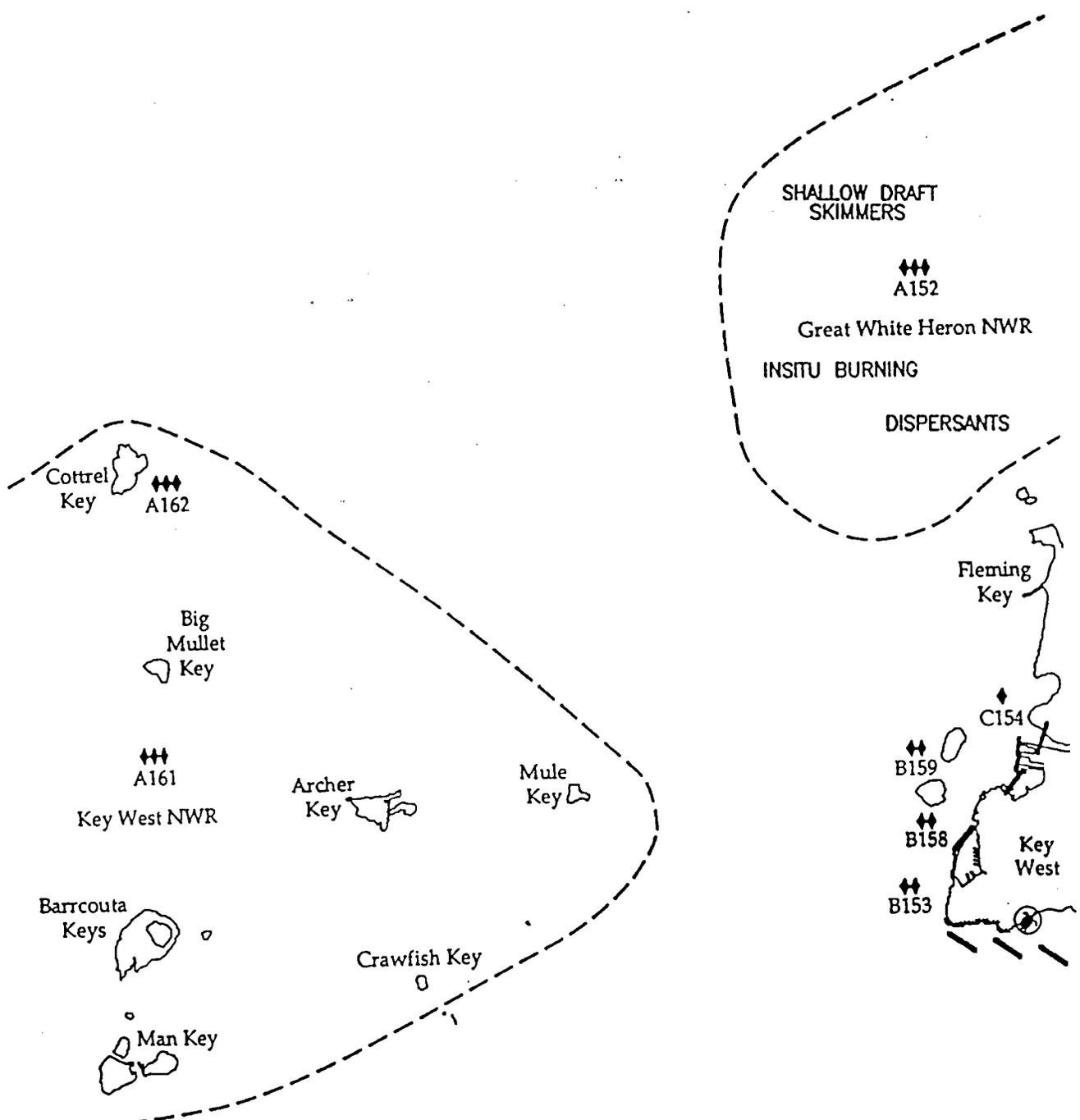


FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

SENSITIVE AREAS AND
PROTECTION STRATEGIES
MIAMI ACP MAP 38

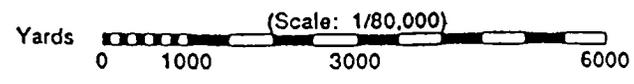
DATE: 02/15/95

DWG NAME: KERAP4



LEGEND

- ◆◆◆ A27 Highest protection priority
- ◆◆ B26 Protect after A areas
- ◆ C25 Protect after B areas
- ⊗ Sea Turtle Nesting Site
- Boom

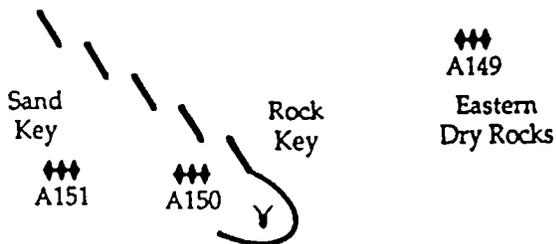
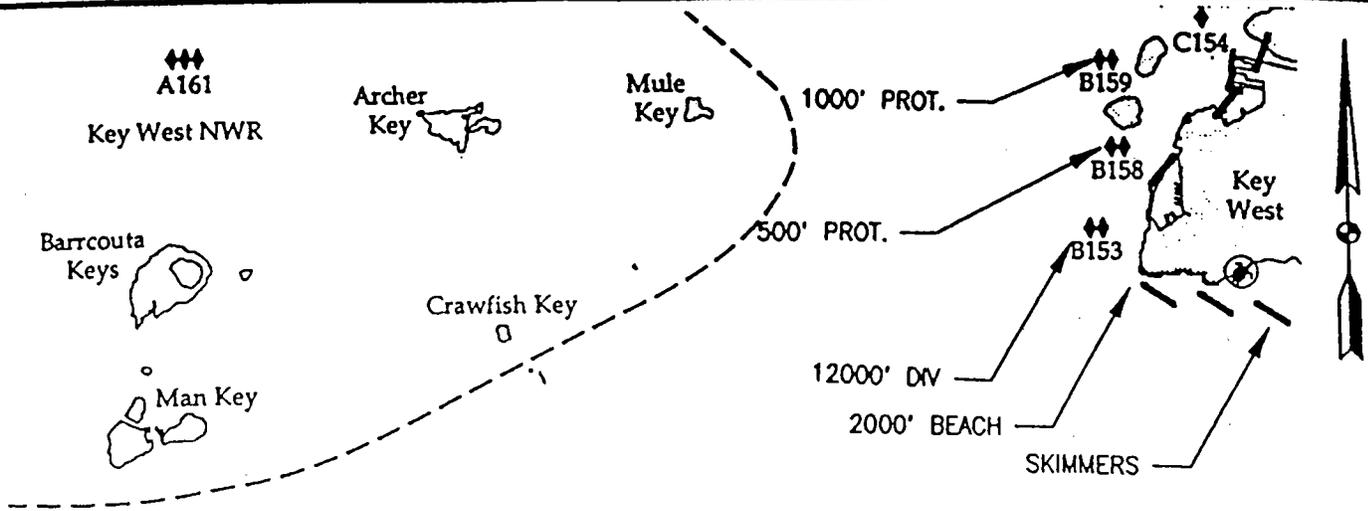


ERAP MAP # 5



**FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA**

**SENSITIVE AREAS AND
PROTECTION STRATEGIES
MIAMI ACP MAP 39**



LEGEND

- ◆◆◆ A27 Highest protection priority
- ◆◆ B26 Protect after A areas
- ◆ C25 Protect after B areas
- ⊗ Sea Turtle Nesting Site
- Boom
- Y Skimmer



ERAP MAP # 6

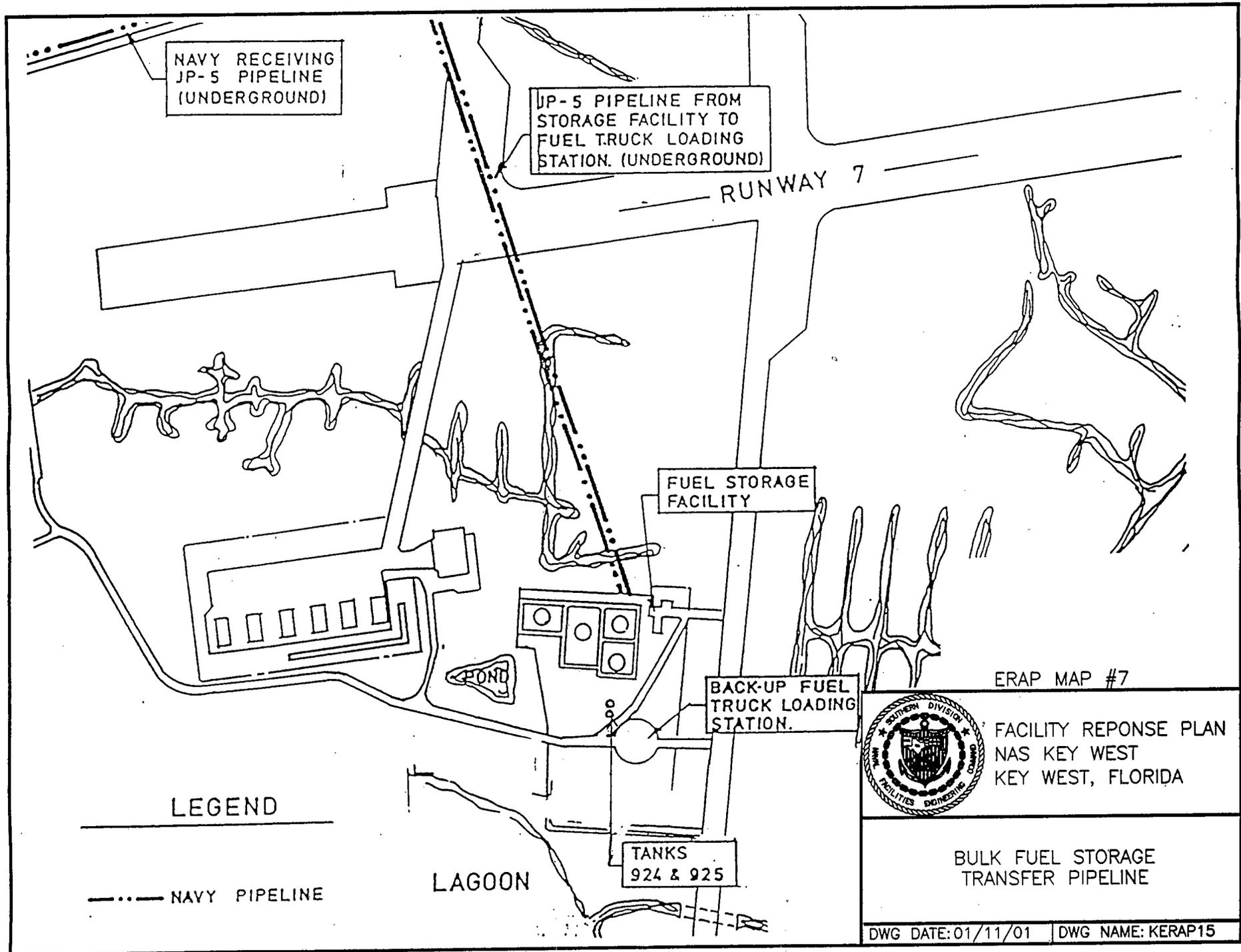


FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

SENSITIVE AREAS AND
PROTECTION STRATEGIES
MIAMI ACP MAP 40

DATE: 02/15/95

DWG NAME: KERAP6



NAVY RECEIVING
JP-5 PIPELINE
(UNDERGROUND)

JP-5 PIPELINE FROM
STORAGE FACILITY TO
FUEL TRUCK LOADING
STATION. (UNDERGROUND)

RUNWAY 7

FUEL STORAGE
FACILITY

BACK-UP FUEL
TRUCK LOADING
STATION.

TANKS
924 & 925

LAGOON

POND

LEGEND

— NAVY PIPELINE

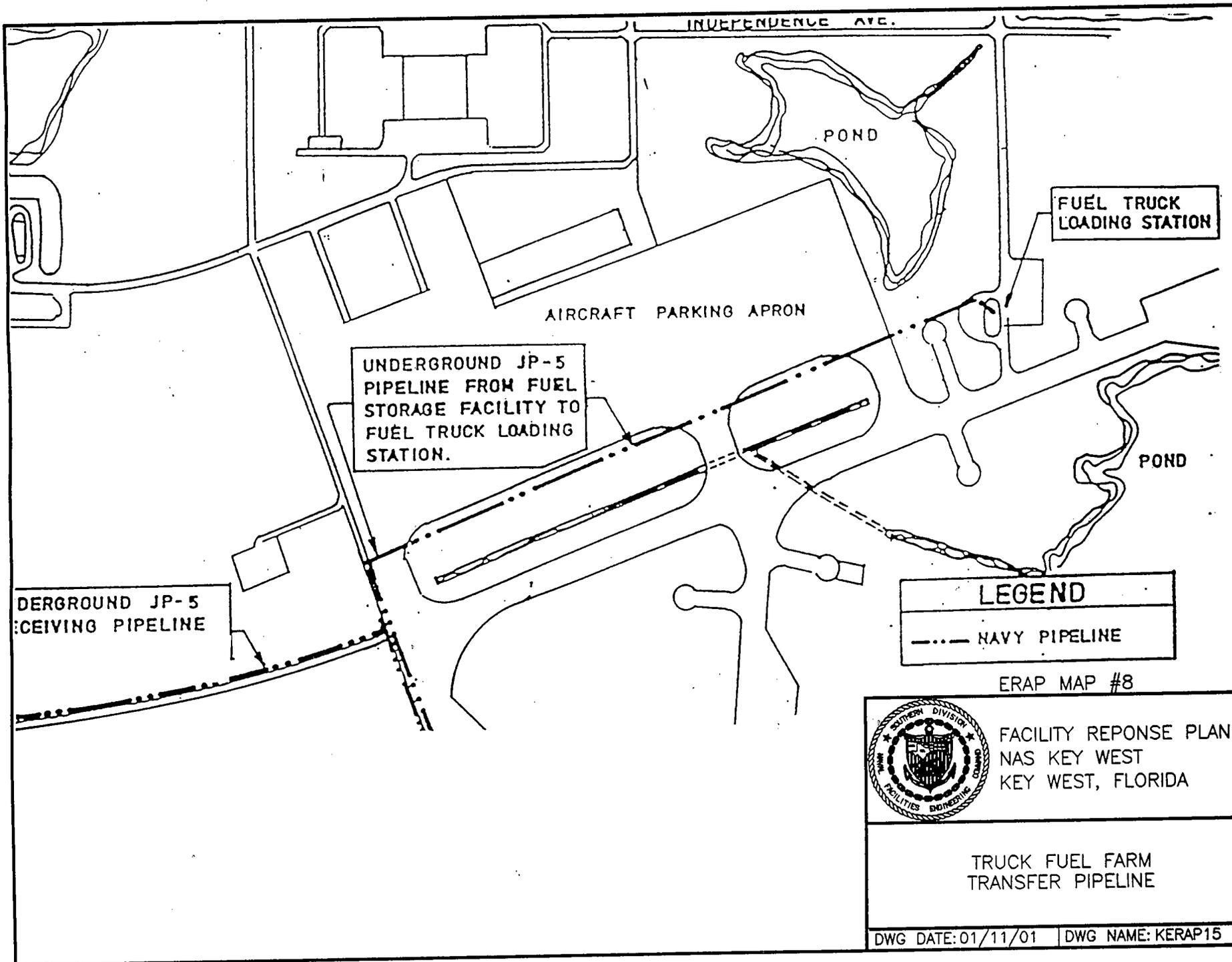
ERAP MAP #7



FACILITY REPOSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

BULK FUEL STORAGE
TRANSFER PIPELINE

DWG DATE: 01/11/01 | DWG NAME: KERAP15

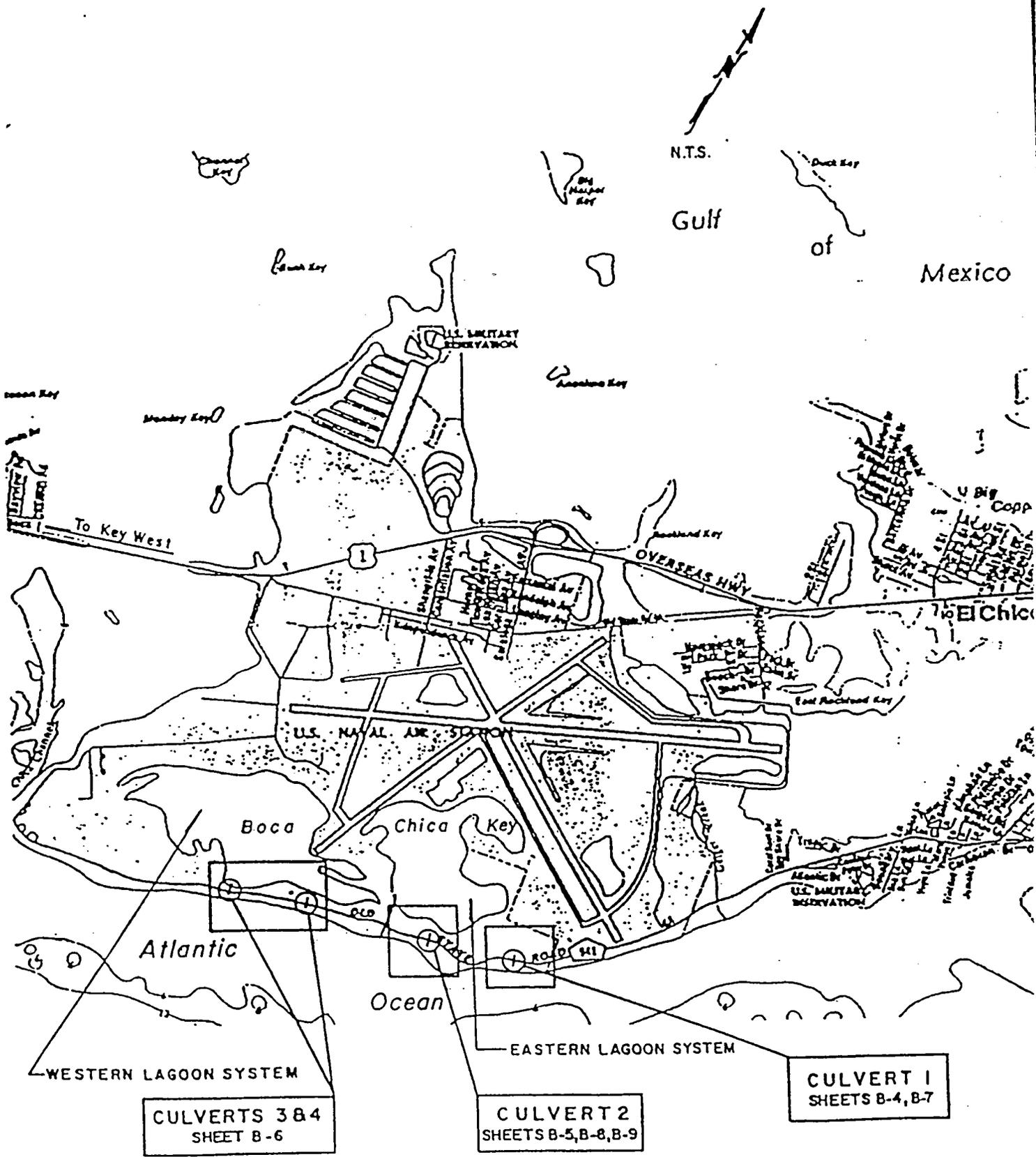


ERAP MAP #8



FACILITY REPOSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

TRUCK FUEL FARM
 TRANSFER PIPELINE



CULVERTS 3&4
SHEET B-6

CULVERT 2
SHEETS B-5, B-8, B-9

CULVERT 1
SHEETS B-4, B-7

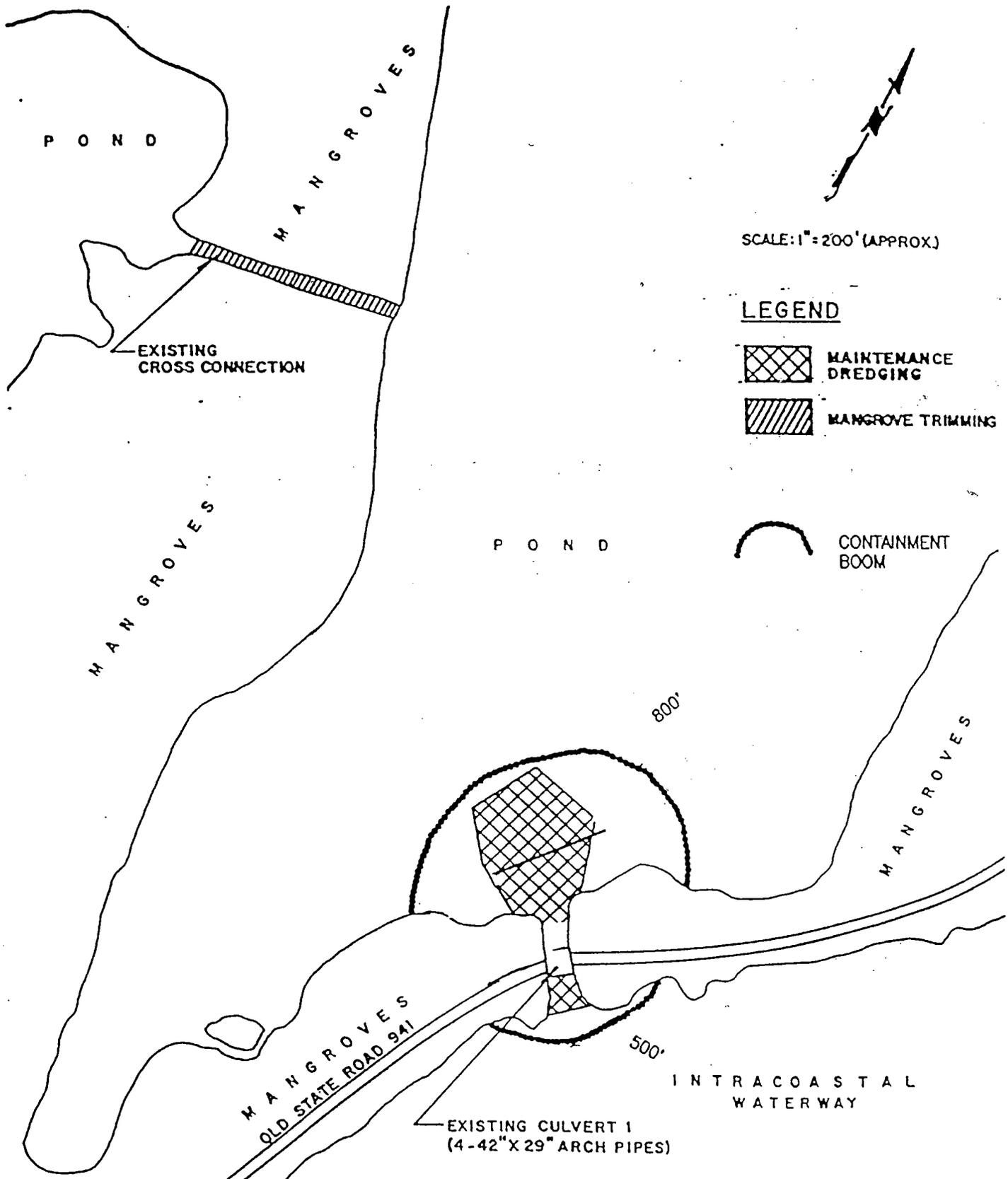
ERAP MAP # 9



FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

SPILL CONTAINMENT STRATEGY MAP
BOCA CHICA FIELD

DATE: 02/15/95 | DWG NAME: KERAP1E



ERAP MAP # 10

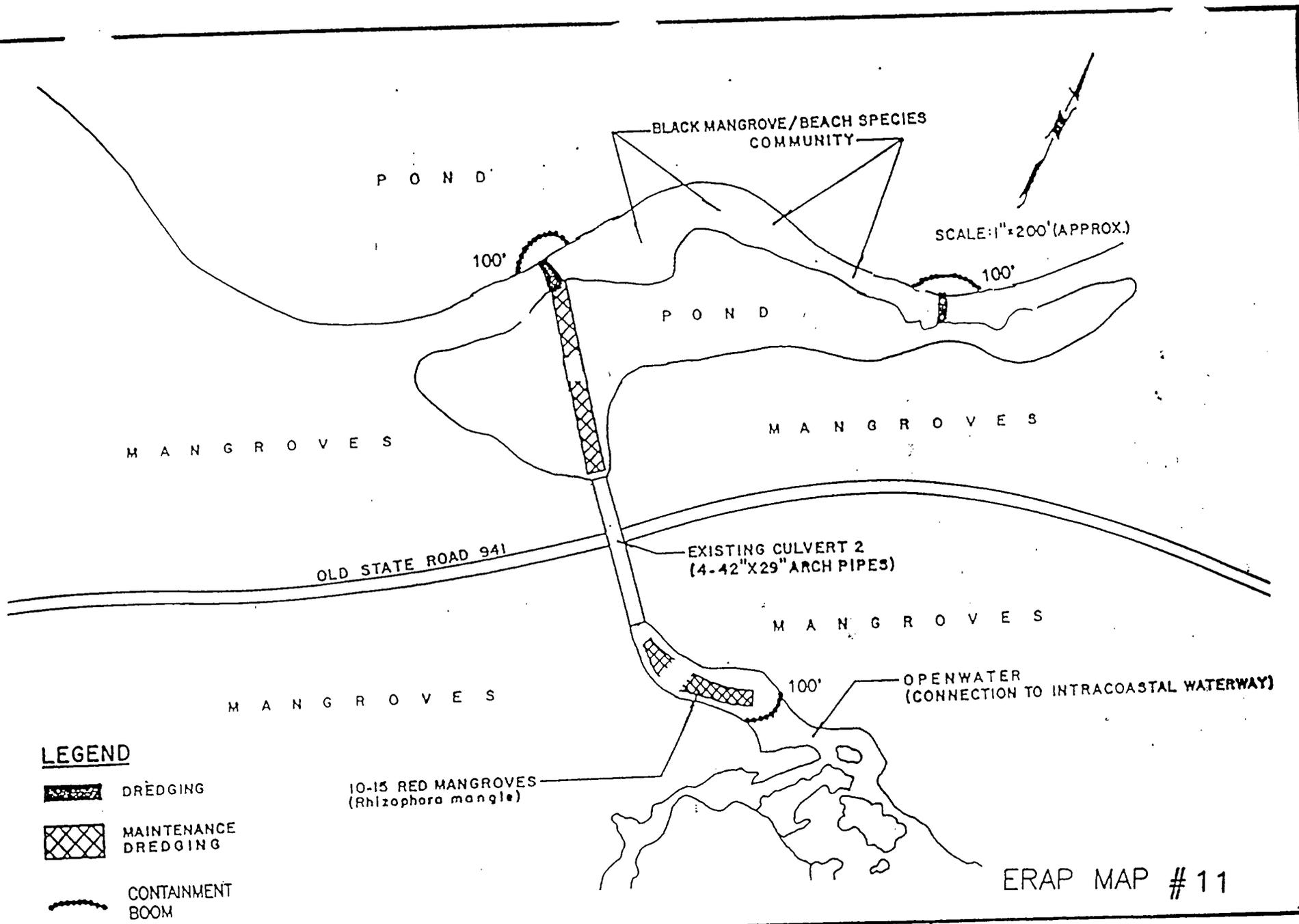


FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

SPILL CONTAINMENT STRATEGY MAP
 BOCA CHICA FIELD
 CULVERT 1

DATE: 02/15/95

DWG NAME: KERAP18



LEGEND

-  DREDGING
-  MAINTENANCE DREDGING
-  CONTAINMENT BOOM

10-15 RED MANGROVES
(*Rhizophora mangle*)

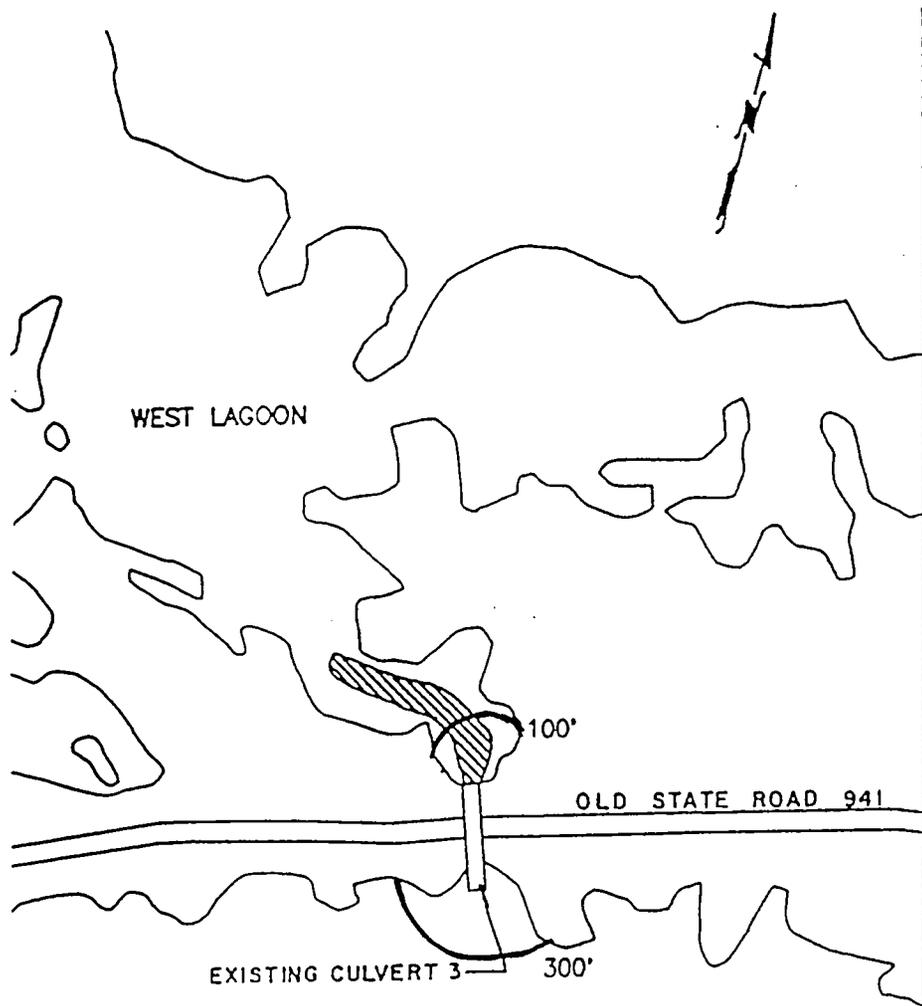
ERAP MAP # 11



FACILITY RESPONSE PLAN
NAS KEY WEST
KEY WEST, FLORIDA

SPILL CONTAINMENT STRATEGY MAP
BOCA CHICA FIELD
CULVERT 2

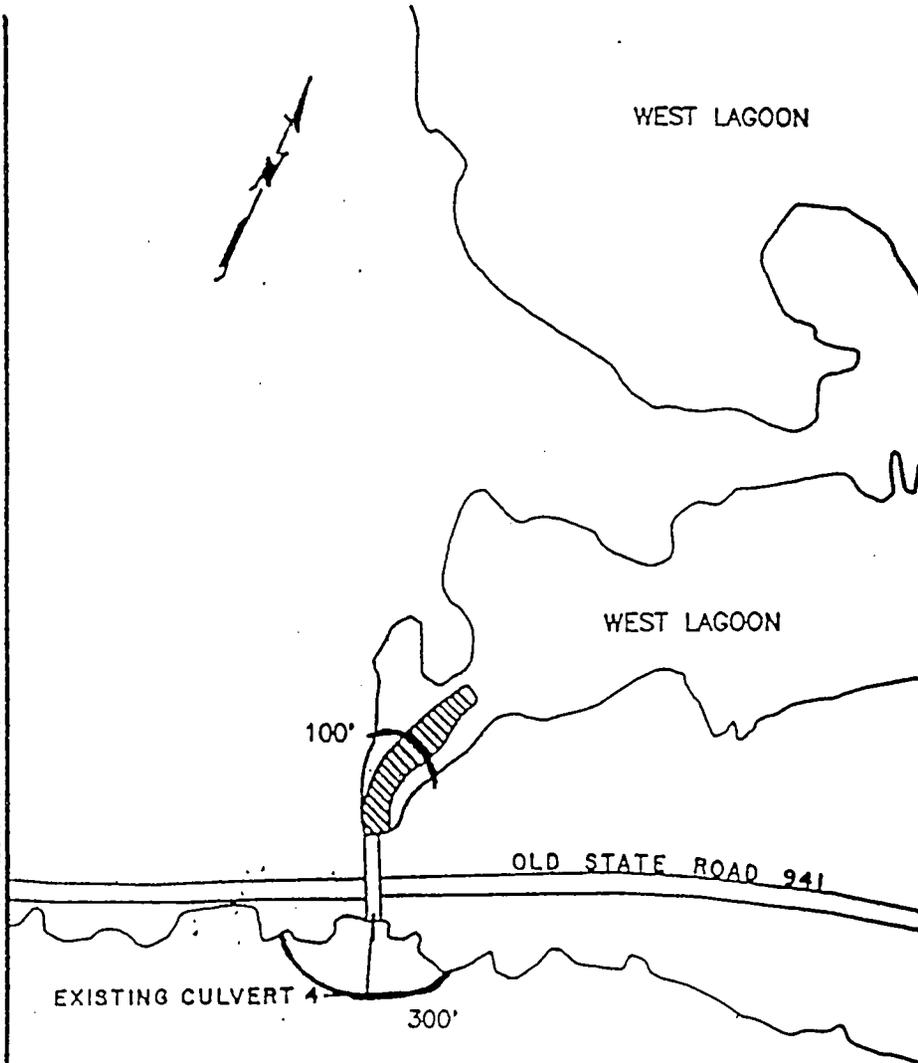
DATE: 10/15/05 DRAWING: KEDAP10



LEGEND

-  FUTURE MAINTENANCE DREDGING (AS NEEDED)
-  CONTAINMENT BOOM

SCALE: 1" = 320'



LEGEND

-  FUTURE MAINTENANCE DREDGING (AS NEEDED)

SCALE: 1" = 320'

ERAP MAP # 12



FACILITY RESPONSE PLAN
 NAS KEY WEST
 KEY WEST, FLORIDA

SPILL CONTAINMENT STRATEGY MAP
 BOCA CHICA FIELD
 CULVERT 3 & 4

ANNEX 1: HAZARDOUS SUBSTANCE MITIGATION PROCEDURES

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OPEN STORAGE YARD..... ERAP: ANNEX 1-3

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MAINTENANCE DIVISION (AIMD)..... ERAP: ANNEX 1-9

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IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN

HS SITE 1

BUILDING A-931: SUPPLY WAREHOUSE AND OPEN STORAGE YARD

WARNING: Designated personnel at this facility have been specifically tasked, trained, and equipped to respond to oil and hazardous substance spills. Unauthorized individuals shall never undertake the response or investigation to any actual or suspected oil or hazardous substance spills.

I. IMMEDIATELY REPORT spills by the most expeditious means (e.g., voice, telephone) to your supervisor, or contact the **FACILITY EMERGENCY COORDINATOR** as listed below:

Facility Emergency Coordinator	Shop	Title	Phone Ext.
Euria Carlton	A-931	Warehouse Supervisor	2358 2269

IF CONTACT CANNOT BE MADE WITH THE FACILITY EMERGENCY COORDINATOR,
REPORT SPILLS IMMEDIATELY to:

FIRE DEPARTMENT EXT. 3333

Number of Persons Working at Building A931: Varies (10 - 15)

II. FIRE SAFETY PLAN

A. Equipment

An approved hazardous material (HAZMAT) storage area was constructed in the southwest back corner of Bldg A-931 with all required equipment with approved spill containment and fire suppression

B. Building Construction/Activity Description

Building A-931 is designed as a Logistics warehouse and open storage yard for various hazardous materials. The building is a two story concrete structure. There are also two (2) HAZMAT storage lockers that are in compliance with EPA guidelines and requirements. Building 4190 is a ground level one (1) story prefab metal building with multiple overhead garage doors and is currently under NAVFAC custody.

III. SITE HAZARDOUS SUBSTANCE INFORMATION

A. Inventory

The main Warehouse Bldg A-931 has an inventory that includes spare parts and HAZMAT in support of Naval Air Station Departments and Tenant Activities.

B. Probable Spill Route

The HAZMAT Center / CHRIMP was constructed with a four (4") inch containment wall around the internal storage area. The outside open storage area has no spill containment. There is a ditch adjacent the Midway Road that could be contaminated if a major spill occurs.

C. Spill Response Equipment and Materials

A spill kit containing absorbent booms and waste collection drums is available for response to small spills.

**LIST ANNEX 1 — 1.0
BUILDING A-931
HAZARDOUS SUBSTANCE INVENTORY**

Hazardous Substance	Estimated Total Quantity Stored
Various bulk oils and chemicals in 5 gallon to 55 gallon containers such as:	Material Safety Data Sheets are available for all HAZMAT stored in Bldg A-931
Hydraulic fluid	50-500 gallons
Motor Oils	50-1,000 gallons
Solvents	1 – 5 gallon pails
Cements	1 – 5 gallon pails
Misc cleaners and materials	Large number: quart — 1 gallon pails
Enzymes	50-100 gallons
Anti-Freeze	700 gallons

SITE 1 Map

Site Map 1A

IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN

**HS SITE 2
BUILDINGS 986, 990, AND 4021
FLEET READINESS CENTER SOUTHEAST (FRCSE)**

WARNING: Designated personnel at this facility have been specifically tasked, trained and equipped to respond to oil and hazardous substance spills. Unauthorized individuals shall never undertake the response or investigation to any actual or suspected oil or hazardous substance spills.

I. IMMEDIATELY REPORT spills by the most expeditious means (e.g., voice, telephone) to your supervisor, or contact the **FACILITY EMERGENCY COORDINATOR** as listed below:

Facility Emergency Coordinator	Shop	Title	Phone Ext.
AT2 George AM2 Moore	A-980 & W/C530	Hazardous Substance Coordinators	2281
AS2 Asanas AS3 Pazmuniz	A-986 A-990		2300

IF CONTACT CANNOT BE MADE WITH THE FACILITY EMERGENCY COORDINATOR,
REPORT SPILLS IMMEDIATELY to: FRC(SE) Duty Cell: 797-0998

FIRE DEPARTMENT EXT. 3333

Number of Persons Working at this Site: Varies

II. FIRE SAFETY PLAN

A. Equipment

Building #986 and 990 are equipped with hand-held fire extinguishers. The Paint Booth has an automatic extinguishing system. Should a fire occur, announcements would be made via a loud speaker in Building A-986. Building A-986 also has telephone communication to the fire department and radio communication to the crash team.

Fire wells are located in the vicinity of A-989 as indicated on the facility site plan. The facility is equipped with 6 handheld carbon dioxide fire extinguishers, five at A-989 and one at the hazardous material storage building (A-1110). A-989 has telephone communication to the fire department.

B. Building Construction/Activity Description

All buildings at this site are sheet-metal structures with the exception of A-4021 which is concrete block with a wooden roof.

IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN

**HS SITE 2
BUILDINGS 986, 990, AND 4021
FLEET READINESS CENTER SOUTHEAST (FRCSE)**

III. SITE HAZARDOUS SUBSTANCE INFORMATION

A. Inventory

Waste solvents and waste paints are stored onsite in 27-gallon drums in the hazardous waste temporary collection point. Full and partially full aerosol cans of spray paint are returned to CHRIMP. The probable maximum amount of hazardous waste stored at the site is two 55-gallon drums, or 110 gallons.

Daily allotment of materials is stored inside the facility. The facility has one paint-stripping vat which is currently dry and used as a sanding bench. Small-quantity storage is maintained in the paint locker which contains paint thinner and miscellaneous paint products.

The major hazardous waste produced from the FRC (SE) paint facilities is waste paint thinner. This waste is stored in 55-gallon drums in a hazardous waste temporary collection point located adjacent to A-990

Building 986 contains an oil filter crusher with small-volume storage for crushed filters; and also three drums of oil and anti-freeze for vehicle maintenance.

IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN

**HS SITE 2
BUILDINGS 986, 990, AND 4021
FLEET READINESS CENTER SOUTHEAST (FRCSE)**

B. Probable Spill Route

Small indoor spills at Building 990 would be contained in the building and cleaned up by facility personnel. There are no floor drains; therefore the only exit route for spilled material is through the north and south doors.

Spills from the HW-TCP, overflows from spills inside A-990, or other sources, would probably dissipate over the concrete apron and could be cleaned up prior to further spreading. However, a larger spill could enter the drainage ditch south of Building A-990 and could eventually discharge into the lagoon southwest of the facility.

Spills from the paint locker would either dissipate over the concrete apron or would be absorbed by the soils in the area of the locker.

The HW-TCP has two 110-gallon containment sumps that should prevent the discharge of most spills of hazardous waste properly stored in the structure. The paint locker does not have any type of secondary containment for spills. Spills would be localized.

Spills from the HW temporary collection point would drain either into the surrounding soil or could migrate into the drainage ditch to the south which discharges into the tidal pond.

Spills inside the battery shop, Building A-4021, would be contained within the building.

The hazardous waste temporary collection point structure has two 110-gallon containment sumps that should prevent the discharge of most spills of hazardous waste properly stored in the structure.

Spills within Building 986 would be contained within the building. A floor drain spans the North Hangar door. The drain leads to a sump and an oil/water separator. Spillage onto pavement on the south side of the building could migrate to a ditch and into the lagoon system.

C. Spill Response Equipment and Materials

The AIMD maintains mops, buckets, absorbent material, goggles, face shields, ear plugs and aprons. Building A-990 is also equipped with a safety shower/eye wash. Absorbent material and personal protective equipment, including face shields, rubber aprons, and respirators are stored in Building A-986 and 989. Eye wash stations and ear protection devices are maintained in each of the buildings.

**LIST ANNEX 1 – 2.0
AIMD
HAZARDOUS SUBSTANCE INVENTORY**

Hazardous Substance	Estimated Total Quantity Stored
Adhesive	Varies < 25 gallons typical
Alodine	Varies < 25 gallons typical
Insecticide	Varies < 25 gallons typical
Mixed Paint Waste	Varies < 25 gallons typical
Paint Lacquer	Varies < 25 gallons typical
Paint Primer (Zinc)	Varies < 25 gallons typical
Paint Epoxy	Varies < 25 gallons typical
Paint Enamel	Varies < 25 gallons typical
Paint Thinner	Varies < 25 gallons typical
Pro Seal	Varies < 25 gallons typical
Walkaway Compound	Varies < 25 gallons typical

Site 2

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IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN			
HS SITE 3			
BUILDING A-827: BOCA CHICA SEWAGE TREATMENT PLANT			
WARNING: Designated personnel at this facility have been specifically tasked, trained, and equipped to respond to oil and hazardous substance spills. Unauthorized individuals shall never undertake the response or investigation to any actual or suspected oil or hazardous substance spills.			
I. IMMEDIATELY REPORT spills by the most expeditious means (e.g., voice, telephone) to your supervisor, or contact the FACILITY EMERGENCY COORDINATOR as listed below:			
Facility Emergency Coordinator	Shop	Title	Phone Ext.
John R. Surprise	4147 Compound	Emergency Coordinator	2124
IF CONTACT CANNOT BE MADE WITH THE FACILITY EMERGENCY COORDINATOR, REPORT SPILLS IMMEDIATELY to:			
FIRE DEPARTMENT EXT. 3333			
Number of Persons Working at this Site: 1			
II. FIRE SAFETY PLAN			
A. Equipment			
There are two halon fire extinguishers at this site, one on the main floor, and one on the second floor of Building A-4174.			
B. Building Construction/Activity Description			
Buildings A-4174 (chlorine storage room) are constructed of concrete block.			
III. SITE HAZARDOUS SUBSTANCE INFORMATION			
A. Inventory			
Chlorine is stored at the facility in Building A-4174			
B. Probable Spill Route			
Chlorine would be released as a gas into the Chlorine Storage Room. The gas can escape either through the door or through the ventilation openings.			
C. Spill Response Equipment and Materials			
Facility does not carry anymore Chlorine emergency kits to include SCBA. They rely sole on the Fire Department for all emergency situations.			
LIST ANNEX 1 – 3.0			
BUILDING A-827: BOCA CHICA SEWAGE TREATMENT PLANT			
HAZARDOUS SUBSTANCE INVENTORY			
Hazardous Substance	Estimated Total Quantity Stored		
Chlorine	Ten – 150-lb Cylinders		

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Site 3

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IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN

HS SITE 4

BUILDING A-438: PUBLIC WORKS DEPARTMENT

WARNING: Designated personnel at this facility have been specifically tasked, trained, and equipped to respond to oil and hazardous substance spills. Unauthorized individuals shall never undertake the response or investigation to any actual or suspected oil or hazardous substance spills.

I. IMMEDIATELY REPORT spills by the most expeditious means (e.g., voice, telephone) to your supervisor, or contact the **FACILITY EMERGENCY COORDINATOR** as listed below:

Facility Emergency Coordinator	Shop	Title	Phone Ext.
Kevin Callaghan	A-438	Primary Coordinator	2226
Elijah Chaplin	A-438	Secondary Coordinator	2226

IF CONTACT CANNOT BE MADE WITH THE FACILITY EMERGENCY COORDINATOR, **REPORT SPILLS IMMEDIATELY** to:

FIRE DEPARTMENT EXT. 3333

Number of Persons Working at this Site: Varies

II. FIRE SAFETY PLAN

A. Equipment

Several fire wells are located north of Building A-438 and one well is located south of Building A-438. Building A-438 has an automatic sprinkler system and hand-held, carbon dioxide fire extinguishers, located as shown on the facility site plan. Building A-438 has telephone contact to the fire department.

B. Building Construction/Activity Description

Building A-438 is a one-story concrete structure. The activities provide maintenance services for the Naval Air Station Key West including utilities, painting, road repair, and lawn maintenance.

III. SITE HAZARDOUS SUBSTANCE INFORMATION

A. Inventory

Building A-438 stores small quantity daily allotments of hydraulic fluid, paint, and aerosols at the work stations inside each building. Aerosol cans of paint and very small quantities of paint thinner are stored in a flammable storage locker outside Building A-438.

55-gallon drums of used oil are stored in a covered storage area adjacent to Building 443. Oxygen and acetylene cylinders are stored in racks on opposite sides of Building A-443. Small number of batteries is stored in a Corrosion Locker adjacent to Building A-438. Small quantities of battery electrolyte are stored in a Corrosive Locker inside Building 438.

IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN

**HS SITE 4
BUILDING A-438: PUBLIC WORKS DEPARTMENT**

B. Probable Spill Route

Small indoor spills would be contained in the buildings and cleaned up by facility personnel. Spills from or in the vicinity of the self contained storage lockers, would likely remain localized.

The used oil temporary collection point has two 110-gallon containment sumps that should prevent the discharge of most spills of hazardous waste properly stored in the structure.

C. Spill Response Equipment and Materials

Absorbent is maintained in Buildings A-438 and A-443 and sand can be obtained within one hour if needed. Tractors, trucks, etc., are available at the site if needed.

Personal protective equipment maintained at each building includes rubber boots, safety glasses, and chemical resistant gloves. There is one portable eye wash in each building.

**LIST ANNEX 1 – 4.0
BUILDING A-438
HAZARDOUS SUBSTANCE INVENTORY**

Hazardous Substance	Estimated Total Quantity Stored
Acetylene	1 cylinder
Grease	20 Gallon Drum
Hydraulic Break Fluid	3-5 gallons
Lube Oil Engine	5 drums; 55 gallons each
Oxygen Cylinders	1 cylinder
Sulfuric Acid Electrolyte	1 drum; 55 gallons
Transmission Fluid	1 drum; 55 gallons

IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN			
HS SITE 5			
BUILDING A-129: CHRIMP ADMINISTRATION AND HAZMAT WAREHOUSE			
WARNING: Designated personnel at this facility have been specifically tasked, trained, and equipped to respond to oil and hazardous substance spills. Unauthorized individuals shall never undertake the response or investigation to any actual or suspected oil or hazardous substance spills.			
I. IMMEDIATELY REPORT spills by the most expeditious means (e.g., voice, telephone) to your supervisor, or contact the FACILITY EMERGENCY COORDINATOR as listed below:			
Facility Emergency Coordinator	Shop	Title	Phone Ext.
Euria Carlton	A-129	Warehouse Manager	2358
IF CONTACT CANNOT BE MADE WITH THE FACILITY EMERGENCY COORDINATOR, REPORT SPILLS IMMEDIATELY to:			
FIRE DEPARTMENT EXT. 3333			
Number of Persons Working at this Site: 4			
II. FIRE SAFETY PLAN			
A. Equipment			
The facility is equipped with a fire alarm system, smoke detectors, handheld fire extinguishers, and eyewash and shower.			
B. Building Construction/Activity Description			
Building A-129 is the base CHRIMP Administration Building and HazMat Warehouse for small items under 5 gallons in size. The building is separated by type of material stored and work areas. The building is a cinder block, one-story building which has office spaces at one end, bins for storage of small items in the middle and corrosives are isolated in a 10 ft by 50 ft storage area.			
III. SITE HAZARDOUS SUBSTANCE INFORMATION			
A. Inventory			
The facility maintains diverse supplies (small containers) of cleaners, solvents, paints, adhesives, lubricants, oils, greases, etc. for distribution to authorized users/facilities at NAS Key West.			
B. Probable Spill Route			
Spills within the facility would be self-contained and require manual removal.			
C. Spill Response Equipment and Materials			
The facility maintains spill kits, personal protective equipment onsite.			

LIST ANNEX 1 – 5.0	
BUILDING A-129	
HAZARDOUS SUBSTANCE INVENTORY	
Hazardous Substance	Estimated Total Quantity Stored
<ul style="list-style-type: none"> • Various HazMat chemicals, including corrosives and flammables, in containers smaller than 5 gallons. Total number of containers exceeds 1,000 • Master inventories are available through the CHRIMP electronic database. 	
<ul style="list-style-type: none"> • Material Safety Data Sheets are available through the CHRIMP database. 	

Site 5			
IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN			
HS SITE 6			
BUILDING A-143: BULK STORAGE HAZMAT			
WARNING: Designated personnel at this facility have been specifically tasked, trained, and equipped to respond to oil and hazardous substance spills. Unauthorized individuals shall never undertake the response or investigation to any actual or suspected oil or hazardous substance spills.			
I. IMMEDIATELY REPORT spills by the most expeditious means (e.g., voice, telephone) to your supervisor, or contact the FACILITY EMERGENCY COORDINATOR as listed below:			
Facility Emergency Coordinator	Shop	Title	Phone Ext.
Ms. Mig Hettler	A-143	HazMat Mgr.	2467
IF CONTACT CANNOT BE MADE WITH THE FACILITY EMERGENCY COORDINATOR, REPORT SPILLS IMMEDIATELY to:			
FIRE DEPARTMENT EXT. 3333			
Number of Persons Working at this Site: 4			
II. FIRE SAFETY PLAN			
A. Equipment			
<ul style="list-style-type: none"> The building is equipped with a fire alarm system, handheld fire extinguishers, sprinkler system, eyewash and shower. 			
B. Building Construction/Activity Description			
Building A-143 is the base Bulk Storage for hazardous materials. The building is a raised one-story concrete warehouse with a truck loading platform and forklift ramp. The warehouse has two large warehouse bays divided in the middle by large double doors for forklift entrance. There are metal storage bins large enough to accept palletized material. The roof is approximately 20 feet from the floor. The building was being renovated at the time of the Facility Response Plan development site visit. The building is not equipped with containment.			
III. SITE HAZARDOUS SUBSTANCE INFORMATION			
A. Inventory			
The facility has large storage capacity available. The following storage volumes were observed onsite during the Facility Response Plan development site visit, Thirty-eight 55-gallon drums of lube and hydraulic oil and antifreeze; and thirty 5-gallon pails of various lubricants and adhesives.			
B. Probable Spill Route			
The building lacks spill containment. Spills within the facility could migrate across the floor and onto the surrounding soil through one of the exit doors. Reportedly, building renovation plans include construction of containment facilities for stored materials. Spillage onto surrounding property would absorb into the ground and remain localized.			
C. Spill Response Equipment and Materials			
No response equipment was observed to be present.			

**LIST ANNEX 1 – 6.0
BUILDING A-143
HAZARDOUS SUBSTANCE INVENTORY**

Hazardous Substance	Estimated Total Quantity Stored (Potential)
Various bulk oils and chemicals in 5-gallon to 55-gallon containers such as:	
Motor Oils	50-100
Hydraulic fluids	50-100
Enzymes	50-100
Antifreeze	50-100
Material Safety Data Sheets are available in Building A-143 for all material stored in the building.	

IMMEDIATE SPILL RESPONSE EMERGENCY ACTION PLAN			
HS SITE 7			
BUILDING B-149: MOLE PIER TRUMAN ANNEX			
HAZARDOUS SUBSTANCE STORAGE			
WARNING: Designated personnel at this facility have been specifically tasked, trained, and equipped to respond to oil and hazardous substance spills. Unauthorized individuals shall never undertake the response or investigation to any actual or suspected oil or hazardous substance spills.			
I. IMMEDIATELY REPORT spills by the most expeditious means (e.g., voice, telephone) to your supervisor, or contact the FACILITY EMERGENCY COORDINATOR as listed below:			
Facility Emergency Coordinator	Shop	Title	Phone Ext.
Garry Wilhelm	B-149	Emergency Coordinators	4181 4343
IF CONTACT CANNOT BE MADE WITH THE FACILITY EMERGENCY COORDINATOR, REPORT SPILLS IMMEDIATELY to:			
FIRE DEPARTMENT EXT. 3333			
Number of Persons Working at this Site: Varies (25 - 36)			
II. FIRE SAFETY PLAN			
A. Equipment			
There is one CO ₂ fire extinguisher located at each storage area.			
B. Building Construction/Activity Description			
Outside of Building B-148 is a small commercial Hazwaste storage structure with a steel roof, steel walls and a steel, locked door. It is located on the outside East wall of B-149 and stores small quantities hazardous waste from the activities at Mole Pier 8 and B-149.			
III. SITE HAZARDOUS SUBSTANCE INFORMATION			
A. Inventory			
Hazwaste storage structure outside B-149 stores small quantities of hazardous waste generated from activities at Building B-149 and Mole Pier 8 including: waste fuels, waste oil, paint waste, paint thinner, grease, hydraulic fluid, and contaminated rags.			
B. Probable Spill Route			
If a spill occurs at Building B-149, hazardous substances likely be contained within the building. However, spills outside the building could flow directly into the inner Mole Pier area.			
C. Spill Response Equipment and Materials			
Multiple boom is available for spills at the facility for spills which reach the surface water adjacent to the pier. Also, a spill kit containing absorbent pads and oil-dry material is available for small spills.			

**LIST ANNEX 1 –7.0
TRUMBO POINT
HAZARDOUS SUBSTANCE INVENTORY**

Hazardous Substance	Estimated Total Quantity Stored
Contaminated Rags	Typical – Few Gallons
Gasoline	Typical – Few Gallons
Grease	Typical – Few Gallons
Hydraulic Fluid	Typical – Few Gallons
Lube Oil	Typical – Few Gallons
Paint	Typical – Few Gallons
Paint Waste	Typical – Few Gallons
Paint Thinner	Typical – Few Gallons
Waste Oil	Typical – Few Gallons
Aerosols	Typical – Few Gallons
Solvents	Typical – Few Gallons

Site 7

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GENERIC RESPONSES TO HAZARDOUS SUBSTANCE INCIDENTS

The following generic responses to hazardous substance incidents can assist emergency responders in making decisions, but the emergency responders cannot consider these generic response guidelines to be a substitute for their knowledge or judgment. This distinction is important since the recommendations in the guidelines are those most likely to apply in a majority of cases but may not be adequate or applicable in all cases. These guidelines were primarily designed for use at a hazardous substance incidents occurring on a highway or a railroad. The guidelines will, with certain limitations, be useful in handling incidents in other modes of transportation and at transportation facilities such as terminals and warehouses.

As an emergency responder at the scene of a hazardous substance incident, seek additional and more specific information about any material in question as soon as possible. These guidelines are not intended for use during the cleanup phase of spilled materials, nor should they be used to determine compliance with any regulations. Become familiar with these guidelines before you actually need to use them in an emergency response situation. To obtain additional assistance for the most effective handling of a hazardous substance incident call, as soon as possible, **CHEMTREC at (800) 424-9300** or contact one or more of the Other Technical Resources listed in Table ERAP B.1.

EXPLOSIVES AND BLASTING AGENTS — UN Class 1.1, 1.2, 1.3, 1.5, or 1.6

POTENTIAL HAZARDS

May explode and throw fragments 1 mile or more if fire reaches explosives. Fire may produce irritating or poisonous gases.

EMERGENCY ACTION

Fire

DO NOT FIGHT A FIRE IF IT HAS REACHED THE EXPLOSIVE CARGO COMPARTMENT, WITHDRAW AND LET THE FIRE BURN.

If you know or suspect that heavily-encased explosives, such as bombs or artillery projectiles are involved, stop all traffic and begin to evacuate all persons, including emergency responders, from the area in all directions for 5,000 feet (1 mile) for rail cars or 4,000 feet for tractor/trailer. When heavily encased explosives are not involved, evacuate the area for 2,500 feet (2 miles) in all directions.

Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

Try to prevent fire from reaching the explosive cargo compartment. Flood the compartment/area with water; if no water is available use CO₂, dry chemical, or soil.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. First, move people out of line-of-sight of the scene and away from windows. Then, obtain more information and specific guidance from competent authorities listed on the shipping papers.

Spill or Leak

Shut off ignition sources; no flares, smoking or open flames are permitted in the hazard area. Do not touch or walk through any spilled material.

First Aid

Call emergency medical care.
Use first aid treatment according to the nature of the injury.

EXPLOSIVES — UN Class 1.4

POTENTIAL HAZARDS

May explode and throw fragments a mile or more if fire reaches explosives. Fire may produce irritating or poisonous gases.

EMERGENCY ACTION

Fire

DO NOT FIGHT A FIRE IF IT HAS REACHED THE EXPLOSIVE CARGO COMPARTMENT, WITHDRAW AND LET THE FIRE BURN.

Stop all traffic and begin to evacuate all persons, including emergency responders, from the area in all directions for 1,500 feet (1 mile) in all directions.

Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

Try to prevent fire from reaching the explosive cargo compartment. Flood the compartment/area with water; if no water is available use CO₂, dry chemical, or soil.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. First, move people out of line-of-sight of the scene and away from windows. Then, obtain more information and specific guidance from competent authorities listed on the shipping papers.

Spill or Leak

Shut off ignition sources; no flares, smoking or open flames are permitted in the hazard area. Do not touch or walk through any spilled material.

First Aid

Call emergency medical care.

Use first aid treatment according to the nature of the injury.

FLAMMABLE COMPRESSED GASES — UN Class 2.1

POTENTIAL HAZARDS

Extremely flammable; may be ignited by heat, sparks, or flames. Vapors may travel to a source of ignition and flash back to the container. Container may explode in due to heat from a fire. Gases present a vapor explosion hazard indoors, outdoors, and in sewers.

Vapors may cause dizziness or suffocation. Contact of gas on skin will cause severe frostbite. Fire may produce irritating or poisonous gases.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Positive-pressure, self-contained breathing apparatus and structural firefighter's protective clothing will provide limited protection.

Isolate the area for 2 miles in all directions if a tank, rail car, or tank truck is involved in a fire.

Let a tank, tank car or tank truck burn unless the gas leak can be stopped without endangering personnel. With smaller tanks or cylinders, extinguish fire/isolate container from other flammable materials.

Use dry chemicals or CO₂ to extinguish small fires and water spray or fog for large fires.

Move gas containers away from the fire area if this can be done without endangering personnel. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from the ends of tanks. For a massive fire in a cargo area, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from the area and let the fire burn. Withdraw immediately in case of a rising sound from venting safety devices or upon any discoloration of the tank due to exposure to the fire.

Spill or Leak

Shut off ignition sources; no flares, smoking or open flames are permitted in the hazard area. Do not touch or walk through any spilled material. Stop the leak if this can be done without endangering personnel.

First Aid

Move the victim to fresh air and call emergency medical care. If the victim is not breathing, give artificial respiration. If the victim's breathing is difficult, give oxygen (if qualified to perform this procedure). In case of frostbite, thaw the victim's frosted parts with water. Keep the victim quiet and maintain normal body temperature.

NON-FLAMMABLE, NON-TOXIC COMPRESSED GASES — UN Class 2.2

POTENTIAL HAZARDS

Cylinders may explode in a fire.

Vapors may cause dizziness or suffocation. Contact of gas on skin will cause severe frostbite.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Positive-pressure, self-contained breathing apparatus and structural firefighter's protective clothing will provide limited protection.

Isolate the area for 2 miles in all directions if a tank, rail car, or tank truck is involved in a fire.

Use dry chemicals or CO₂ to extinguish small fires and water spray or fog for large fires.

Move gas containers away from the fire area if this can be done without endangering personnel. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from the ends of tanks. For a massive fire in a cargo area, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from the area and let the fire burn. Withdraw immediately in case of a rising sound from venting safety devices or upon any discoloration of the tank due to exposure to the fire.

Spill or Leak

Do not touch or walk through any spilled material. Stop the leak if this can be done without endangering personnel.

First Aid

Move the victim to fresh air and call emergency medical care. If the victim is not breathing, give artificial respiration. If the victim's breathing is difficult, give oxygen (if qualified to perform this procedure). In case of frostbite, thaw the victim's frosted parts with water. Keep the victim quiet and maintain normal body temperature.

POISONOUS COMPRESSED GASES — UN Class 2.3

POTENTIAL HAZARDS

Poisonous; may be fatal if inhaled or absorbed through the skin. Contact with the gas may cause burns to the skin and eyes. Contact with liquefied gas will cause frostbite. Any clothing that is frozen to the skin should be thawed before attempting to remove it. Runoff from fire control or dilution water may cause pollution.

Some of these materials may burn, but none of them ignites readily. Cylinders may explode in a fire.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Positive-pressure, self-contained breathing apparatus and chemical protective clothing that is specifically recommended by the shipper or manufacturer may be worn. The protective clothing may provide little or no thermal protection. Structural firefighter's protective clothing is **NOT** effective for these materials.

Isolate the area the immediate area and all adjacent down wind buildings/structures. Contact the manufacturer or MSDS to determine the size of the isolation zone.

Use dry chemicals or CO₂ to extinguish small fires and water spray, fog, or regular foam for large fires. **DO NOT GET WATER INSIDE CONTAINERS.**

Move gas containers away from the fire area if this can be done without endangering personnel. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from the ends of tanks. For a massive fire in a cargo area, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from the area and let the fire burn. Withdraw immediately in case of a rising sound from venting safety devices or upon any discoloration of the tank due to exposure to the fire.

Isolate the fire area until all of the gas has dispersed.

Spill or Leak

Do not touch or walk through any spilled material. Stop the leak if this can be done without endangering personnel. Fully-encapsulating, vapor-protective clothing should be worn for spills and leaks with no fire.

Use water spray to reduce vapor. **Do not put water directly on leak or spill area.**

First Aid

Move the victim to fresh air and call emergency medical care. If the victim is not breathing, give artificial respiration. If the victim's breathing is difficult, give oxygen (if qualified to perform this procedure). In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes. In case of frostbite, thaw the victim's frosted parts with water. Keep the victim quiet and maintain normal body temperature. Effects may be delayed. Keep the victim under observation.

FLAMMABLE LIQUIDS — UN Class 3

POTENTIAL HAZARDS

Flammable and combustible liquids that may be ignited by heat, sparks, or flames. Vapors may travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Liquids present a vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create a fire or explosion hazard.

Some of these materials may be poisonous if the vapors are inhaled or the liquid is absorbed through the skin. Vapors may cause dizziness or suffocation. Contact with the liquid may irritate or burn the skin and eyes. Fire may produce irritating or poisonous gases. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Positive-pressure, self-contained breathing apparatus and structural firefighter's protective clothing will provide limited protection.

Isolate the area for 2 miles in all directions if a tank, rail car, or tank truck is involved in a fire.

Use dry chemicals, CO₂, water spray, or regular foam to extinguish small fires and water spray, fog, or regular foam for large fires.

Move liquid containers away from the fire area if this can be done without endangering personnel. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from the ends of tanks. For a massive fire in a cargo area, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from the area and let the fire burn. Withdraw immediately in case of a rising sound from venting safety devices or upon any discoloration of the tank due to exposure to the fire.

Spill or Leak

Shut off ignition sources; no flares, smoking or open flames are permitted in the hazard area. Do not touch or walk through any spilled material. Stop the leak if this can be done without endangering personnel. Absorb small spills with sand or other noncombustible absorbent material and place into containers for later disposal. Dike far ahead of a large spill and collect the liquid for later disposal.

First Aid

Move the victim to fresh air and call emergency medical care. If the victim is not breathing, give artificial respiration. If the victim's breathing is difficult, give oxygen (if qualified to perform this procedure). In case of contact with a liquid, immediately flush eyes with running water for at least 15 minutes. Wash skin with soap and water. Remove and isolate contaminated clothing and shoes.

FLAMMABLE SOLIDS — UN Class 4.1

POTENTIAL HAZARDS

Flammable and combustible solids that may be ignited by heat, sparks, or flames. Materials may burn rapidly with flare-burning effect.

Fire may produce irritating or poisonous gases. Contact with these materials may cause burns to the skin and eyes. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas. Positive-pressure, self-contained breathing apparatus and structural firefighter's protective clothing will provide limited protection.

Use dry chemicals, sand, soil, water spray, or regular foam to extinguish small fires and water spray, fog, or regular foam for large fires.

Move containers of solid materials away from the fire area if this can be done without endangering personnel. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from the ends of tanks. For a massive fire in a cargo area, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from the area and let the fire burn. Withdraw immediately in case of a rising sound from venting safety devices or upon any discoloration of the tank due to exposure to the fire.

Use dry sand, Met-L-X7 powder or G-1 graphite powder to extinguish fires involving magnesium.

Spill or Leak

Shut off ignition sources; no flares, smoking or open flames are permitted in the hazard area. Do not touch or walk through any spilled material. Recover spilled material with a clean shovel and place into a clean, dry container. Cover the container loosely and store for disposal.

First Aid

Move the victim to fresh air and call emergency medical care. In case of contact with the material, immediately flush eyes with running water for at least 15 minutes. Removal of solidified molten material from skin requires medical assistance. Remove and isolate contaminated clothing and shoes.

SPONTANEOUSLY COMBUSTIBLE MATERIAL — UN Class 4.2

POTENTIAL HAZARDS

Materials are poisonous if swallowed. Inhalation of dusts from these materials is poisonous.

Fire may produce irritating or poisonous gases. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas. Positive-pressure, self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection.

ONLY USE WATER to extinguish fires involving these materials. For large fires, flood the fire area with water from a distance.

Move containers of these materials away from the fire area if this can be done without endangering personnel. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from the ends of tanks. For a massive fire in a cargo area, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from the area and let the fire burn.

Spill or Leak

Do not touch or walk through any spilled material. Keep combustibles (wood, paper, oil, etc.), away from the spilled material. Recover spilled material with a clean shovel and place into a clean, dry container. Cover the container loosely and store for disposal.

First Aid

Move the victim to fresh air and call emergency medical care. In case of contact with the material, immediately flush eyes with running water for at least 15 minutes. Remove and isolate contaminated clothing and shoes.

DANGEROUS WHEN WET MATERIALS — UN Class 4.3

POTENTIAL HAZARDS

Materials may ignite if exposed to air. The material may re-ignite after the fire is extinguished. Materials may ignite in the presence of moisture. A violent reaction may occur if exposed to water. The reaction may produce flammable gas. Runoff to the sewer may create a fire or explosion hazard. Materials may be poisonous if inhaled. Contact of the material to the skin and eyes may cause burns. Fire may produce irritating or poisonous gases.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas. Positive-pressure, self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection.

DO NOT USE WATER OR FOAM to extinguish fires involving these materials. Use dry chemical, soda ash, lime, or sand to extinguish small fires. Withdraw from an area involving a large fire of this type of material and let the fire burn.

Use dry sand, Lith-X7 powder or G-1 graphite powder to extinguish fires involving lithium.

Move containers away from the fire area if this can be accomplished without endangering personnel.

Spill or Leak

Shut off ignition sources, no flares, smoking, or flames are permitted in the hazard area. Do not touch or walk through any spilled material. Recover spilled material with a clean shovel and place into a clean, dry container. Cover the container loosely and store for disposal. If the spill is a liquid, absorb with sand or other noncombustible material and place into containers for later disposal.

First Aid

Move the victim to fresh air and call emergency medical care. In case of contact with the material, immediately flush eyes with running water for at least 15 minutes. Remove and isolate contaminated clothing and shoes.

OXIDIZING MATERIALS — UN Class 5.1

POTENTIAL HAZARDS

These materials may ignite other combustible materials (wood, paper, oil, etc.) These materials will accelerate burning when they are involved in a fire. Some of these materials will react violently with fuels. Runoff into a sewer may create a fire or explosion hazard. Contact between these materials and the skin and eyes may cause burns. Vapors and dusts from these materials may be irritating. Fires involving these materials may produce irritating or poisonous gases. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas. Positive-pressure, self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection.

USE ONLY WATER to extinguish small fires involving these materials. Flood a large fire area with large quantities of water. Water should be applied to large fires from a distance. Move containers from the fire area if this can be accomplished without endangering personnel. Apply cooling water to the sides of containers that are exposed to flames until well after the fire is out. For massive a fire in a cargo area, use unmanned hose holders or monitor nozzles to fight the fire. If this can not be done, withdraw from the area involving the fire and let the fire burn.

Spill or Leak

Do not touch or walk through any spilled material. Keep combustible materials (wood, paper, oil, etc.), away from the area. Recover spilled material with a clean shovel and place into a clean, dry container. Cover the container loosely and store for disposal. If the spill is a liquid, absorb with sand or other noncombustible material and place into containers for later disposal.

First Aid

Move the victim to fresh air and call emergency medical care. In case of contact with the material, immediately flush eyes with running water for at least 15 minutes. Remove and isolate contaminated clothing and shoes.

ORGANIC PEROXIDES — UN Class 5.2

POTENTIAL HAZARDS

These materials may self-ignite if exposed to air. These materials may be ignited by heat, sparks, or flames. Organic peroxides burn rapidly with a flaring burning effect. These materials may explode from heat, contamination, or loss of temperature. Contact between these materials and skin and eyes may cause burns. Fires involving these materials may produce irritating or poisonous gases. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas. Positive-pressure, self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection.

Use dry chemical, CO₂, water spray, or regular foam to extinguish small fires involving these materials. Flood a large fire area with large quantities of water. Water should be applied to large fires from a distance. For massive a fire in a cargo area, use unmanned hose holders or monitor nozzles to fight the fire. If this can not be done, withdraw from the area involving the fire and let the fire burn.

Spill or Leak

Do not touch or walk through any spilled material. Keep combustible materials (wood, paper, oil, etc.), away from the area. Absorb spilled material with sand or other noncombustible material. Move containers from the spill area.

First Aid

Move the victim to fresh air and call emergency medical care. In case of contact with the material, immediately flush eyes with running water for at least 15 minutes. Wash contaminated skin with soap and water. Remove and isolate contaminated clothing and shoes. Keep victim quiet and maintain normal body temperature.

POISONOUS LIQUID — UN Class 6.1

POTENTIAL HAZARDS

These materials are poisonous. They may be fatal if inhaled, ingested, or absorbed through the skin. Contact between these materials and skin and eyes may cause burns. Contact with some of these liquids may cause frostbite. Clothing that is frozen to the skin should be thawed before being removed. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas. Positive-pressure, self-contained breathing apparatus and chemical protective clothing which is specifically recommended by the shipper or manufacturer may be worn. This protective clothing will provide little or no thermal protection. Structural firefighters' protective clothing is **NOT EFFECTIVE** for these materials. Isolate the leak or spill area immediately for at least 150 feet in all directions. A larger area may need to be isolated. Consult the shipper or manufacturer to assist in making this determination.

Use dry chemical or CO₂ to extinguish small fires involving these materials. Use water spray, fog, or regular foam on larger fires. **DO NOT GET WATER INSIDE CONTAINERS.** Move containers away from the fire area if this can be accomplished without endangering personnel. Apply cooling water to the sides of containers that are exposed to flames until well after the fire is out. Stay away from the ends of tanks.

Spill or Leak

Stop the leak if this can be accomplished without endangering personnel. Do not touch or walk through any spilled material. Fully-encapsulating, vapor-protective clothing should be worn for spills and leaks when no fire is involved. Use water spray to reduce vapors, but **do not** put water directly on the leak or spill area. Flush the area with flooding amounts of water. Dike the area far ahead of the liquid spill and contain for later disposal. Do not get water inside the poisonous liquid container. Isolate the area until all vapors have dispersed.

First Aid

Move the victim to fresh air and call emergency medical care. If the victim is not breathing, provide artificial respiration. If the victim's breathing is difficult, provide oxygen (if qualified to administer this procedure). In case of contact with the material, immediately flush skin and eyes with running water for at least 15 minutes. Remove and isolate contaminated clothing and shoes. Keep victim quiet and maintain normal body temperature. Effects of exposure to these materials may be delayed, therefore, keep the victim under observation.

POISONOUS SOLIDS — UN Class 6.1

POTENTIAL HAZARDS

These materials are poisonous if swallowed or dusts are inhaled. Contact with some of these liquids may cause frostbite. Fires involving these materials may produce irritating or poisonous gases. Runoff from fire control or dilution water may cause pollution. Some of these materials may burn, but none of them ignites readily.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas. Positive-pressure, self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection.

Use dry chemical, CO₂, water spray, or regular foam to extinguish small fires involving these materials. Use water spray, fog, or regular foam on larger fires. Move containers away from the fire area if this can be accomplished without endangering personnel.

Spill or Leak

Do not touch or walk through any spilled material. Stop the leak if this can be accomplished without endangering personnel. Use a clean shovel to recover spilled material. Place recovered material into a clean, dry container, cover loosely, and store for later disposal.

First Aid

Move the victim to fresh air and call emergency medical care. In case of contact with the material, immediately flush skin and eyes with running water for at least 15 minutes. Remove and isolate contaminated clothing and shoes.

INFECTIOUS SUBSTANCES — UN Class 6.2

POTENTIAL HAZARDS

These materials may be ignited if the carrier liquid is flammable. Contact with these materials may cause infection and disease. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Fire

Keep unnecessary people away; isolate hazard area and deny entry.

Use dry chemical, soda ash, lime or sand to extinguish fires involving these materials. Move containers away from the fire area if this can be accomplished without endangering personnel.

Spill or Leak

Damage to the outer container may not affect the primary inner container. If the inner container is damaged or leaking, cover the container with a damp towel or rag and keep wet with liquid bleach. Dike and contain all liquids for later disposal. **DO NOT APPLY WATER** to these materials unless directed to do so by the shipper or manufacturer. Cleanup only under the supervision of an expert (person knowledgeable about the specific material).

First Aid

Move the victim to fresh air and call emergency medical care. In case of contact with the material, immediately flush eyes with running water for at least 15 minutes. Wash affected skin areas with soap and water. Remove and isolate contaminated clothing and shoes.

RADIOACTIVE MATERIAL — UN Class 7

POTENTIAL HAZARDS

There is external radiation hazard from unshielded radioactive material and an internal radiation hazard from inhalation, ingestion or entry of radioactive material through breaks in the skin. The degree of hazard associated with radioactive material will vary greatly depending on the type and quantity of radioactive material present and the type of packaging used. Materials in Special Form or in Type B packaging are not expected to cause contamination in the event of an accident. Some radioactive materials cannot be detected by commonly available instruments.

Some of these materials may burn, but none of them ignites readily. Radioactivity does not change flammability or other properties of the materials. Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people at least 150 feet upwind of the spill. Greater distances may be necessary for people downwind or if advised by radiation specialists. Isolate the hazard area and deny entry. Response actions may be performed prior to any measurement of radiation, but entry to the incident site must be limited to as short a time as possible. Positive-pressure, self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection. Notify the National Response Center of the accident as soon as possible.

Fire

Use dry chemical, CO₂, water spray or regular foam to extinguish small fires. Large fires should be extinguished using water spray or fog in flooding amounts. For massive fires in cargo areas, use unmanned hose holders or monitor nozzles to fight the fire.

Spill or Leak

DO NOT TOUCH DAMAGED CONTAINERS OR SPILLED MATERIALS. Damage to outer containers may not affect primary inner container. Use sand, soil, or other noncombustible materials to absorb spilled materials.

First Aid

Use first aid treatment according to the nature of the injury. Remove and isolate contaminated clothing and shoes if this can be accomplished without affecting the injury. Wrap the victim in a sheet or blanket before transporting. If there is no injury, remove and isolate contaminated clothing and shoes and have the victim shower with soap and water. Advise medical personnel that the victim may be contaminated with radioactive material.

CORROSIVE MATERIALS — UN Class 8

POTENTIAL HAZARDS

Contact with these materials causes burns to the skin and eyes. Vapors from these materials may be harmful if inhaled. Fire may produce irritating or poisonous gases. Runoff from fire control or dilution water may cause pollution. Some of these materials may burn, but none of them ignites readily. Flammable/poisonous gases may accumulate in tanks and hopper cars. Some of these materials may ignite combustible materials (wood, paper, oil, etc.)

EMERGENCY ACTION

Keep unnecessary people away from the spill, isolate the area, and deny entry to the spill site. Stay upwind and keep out of low-lying areas. Positive-pressure, self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection.

Fire

Some of these materials may react violently with water. Use dry chemical, CO₂, water spray or regular foam to extinguish a small fire. Use water spray, fog, or regular foam to extinguish large fires. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from the end of tanks.

Spill or Leak

Do not touch or walk through spilled materials. Stop the leak if this can be accomplished without endangering personnel. Use sand or other noncombustible absorbent material to recover spilled material. Place recovered material into clean, dry containers and cover loosely. Dike far ahead of the liquid in large spills and contain the liquid for later disposal.

First Aid

Move the victim to fresh air. Call for emergency assistance immediately. In case of contact with spilled materials, immediately flush skin or eyes with running water for at least 15 minutes. Remove and isolate all contaminated clothing and shoes. Keep the victim quiet and maintain normal body temperature.

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ANNEX 2: INCIDENT COMMAND SYSTEM POSITION DUTIES AND RESPONSIBILITIES

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Note:

The Enclosed Incident Command System job aids are one of several tools that are available to support personnel filling positions in an ICS organization. The job aids highlight the responsibilities of a position from check-in to demobilization. A job aid is designed to provide assistance to personnel performing duties that may be very complicated or performed very infrequently. The relatively infrequent nature of some response operations makes referring to the job aids important. They will enable personnel to ensure that critical aspects of their positions are not overlooked.

THE POSITIONS COVERED BY THESE JOB AIDS ARE:

- INCIDENT COMMANDER
- OPERATIONS SECTION CHIEF
- PLANNING SECTION CHIEF
- LOGISTICS SECTION CHIEF*
- FINANCE/ADMINISTRATION SECTION CHIEF
- RESOURCE UNIT LEADER
- SITUATION UNIT LEADER
- INFORMATION OFFICER
- LIAISON OFFICER
- DOCUMENTATION UNIT LEADER
- ENVIRONMENTAL UNIT LEADER

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ANNEX 3

INCIDENT COMMAND SYSTEM FORMS

INDEX

<u>ICS FORM</u>	<u>DESCRIPTION</u> ⁽¹⁾
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PREPARED BY INITIAL ON-SCENE INCIDENT COMMANDER:

201-1	Map Sketch
201-2	Summary of Current Actions and Initial Site Assessment
201-3	Organization Chart
201-4	Local Resources Summary

PREPARED BY SPILL MANAGEMENT TEAM:

Incident Action Plan:

202	Incident Objectives/Response Priorities
203	Organization Assignment List
204	Division/Group Assignment List
204-a	Assignment List Attachment
205	Incident Radio Communications Plan
205-a	ICS Positions/Phone Numbers
206	Medical Plan
207	Organization Chart
209	Situation Status Summary
210-1	Field Resource Status Report
211	Check In/Out Log
213	General Message
214	Unit Log
214-1	Unit Log Continuation
215	Operational Planning Summary Work Sheets
216	Radio Requirements Worksheet
217	Radio Frequency Assignment Worksheet
218	Support Vehicle Inventory
219-2	Resource T- Cards (Crew)
219-4	Resource T- Cards (Helicopter)
219-6	Resource T- Cards (Aircraft)
220	Air Operations Summary
221	Demobilization Check-Out
223	Health and Safety Message
224	Environmental Unit Summary Sheet
230	Incident Schedule of Meetings
231	Meeting Summary
232	Resources at Risk Summary
232-a	ACP Site Index

(1) ICS Forms include instruction sheets

Executive Summary
General Plan
Incident Action Plan Cover Sheet

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