MINUTES AND AGENDA FROM 20 MAY 1996 RESTORATION ADVISORY BOARD MEETING NAS KEY WEST FL

5/20/1996

NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION

RESTORATION ADVISORY BOARD
NAVAL AIR STATION KEY WEST

Meeting Agenda
May 20, 1996; 7:00 PM
Holiday Inn Beachside

Welcome and Introductions
Ron Demes
Navy Co-Chair

Old Business
Public Comment Management for This Meeting
Community Relations Plan
Susan Loder
Community Co-Chair

Relative Risk Ranking of NAS Key West Sites
Dudley Patrick
Naval Facilities Engineering Command
Southern Division

Cleanup Budget in Relation to Risk Rankings for NAS Key West Sites
Dudley Patrick

Update of Interim Remedial Activities
Rick Akers
Bechtel Environmental, Inc.

Update of RCRA Facility Investigation/Remedial Investigation
Kevin Walter
Brown & Root Environmental

Potential Topics for Next Meeting
Ron Demes and Susan Loder

Adjournment and Invitation
Ron Demes

Poster Session and Refreshments

Naval Air Station Key West
Restoration Advisory Board
Public Meeting
May 20, 1996

Agenda

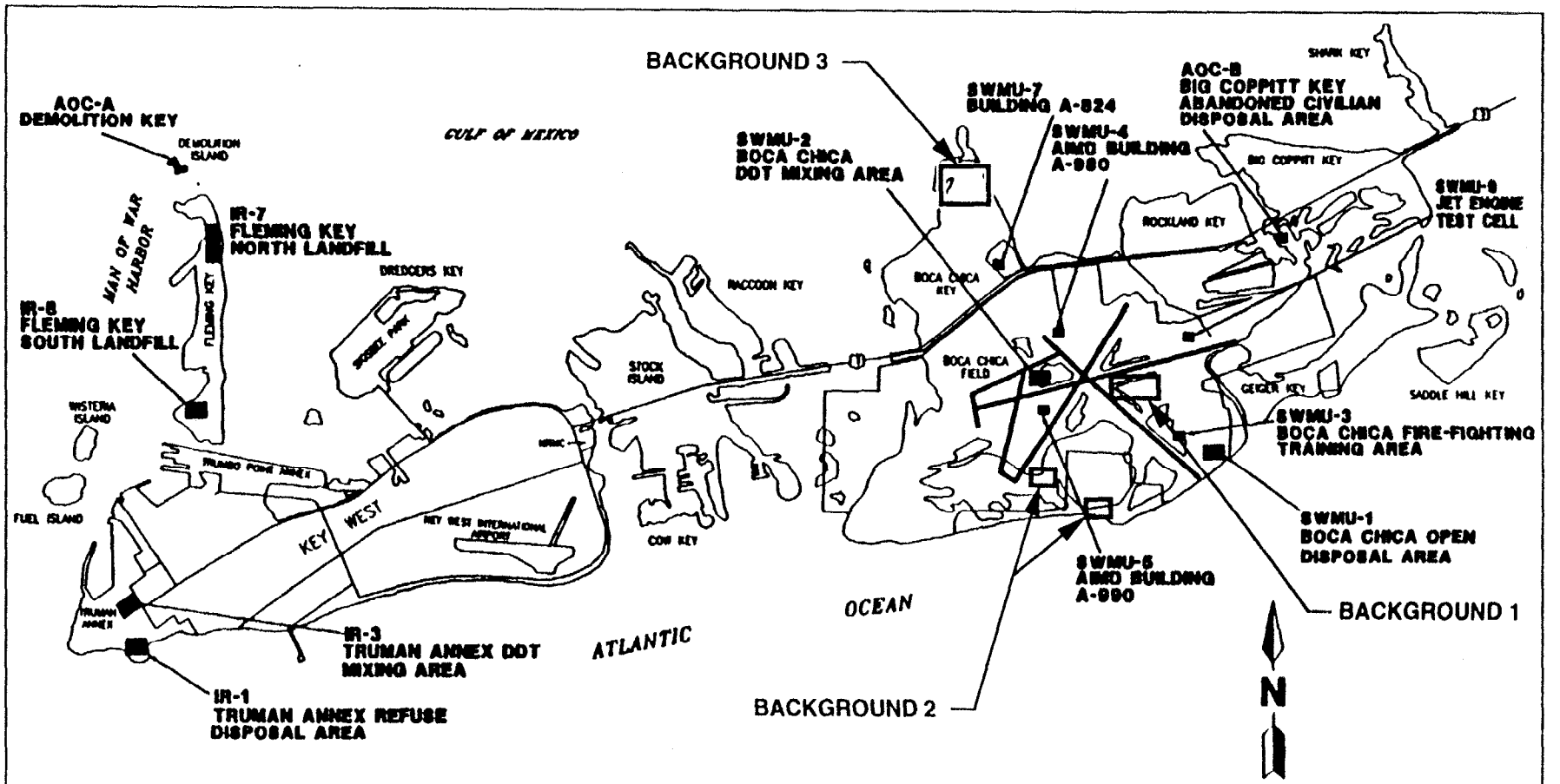
Ron Demes	Welcome and Introductions
Susan Loder	Old Business Public Comment Management (for this meeting) Community Relations Plan NAS Key West Installation Restoration Coordinator Replacement of RAB Member
Dudley Patrick	Relative Risk Ranking and Site Prioritization Cleanup Budget for NAS Key West
Rick Akers	Update of Interim Remedial Activities
Kevin Walter	Update of RCRA Facility Investigation/Remedial Investigation
Ron Demes/Susan Loder	Potential Topics for Next Meeting
Susan Loder	Adjournment Poster Session/Questions and Answers

Ron Demes
Navy Co-Chair
Restoration Advisory Board

Welcome and Introduction

Dudley Patrick
Naval Facilities Engineering Command
Southern Division

Relative Risk Ranking and Site Prioritization



Brown & Root Environmental

0 .75 1.5 MILES

SCALE: 1" = 1.5 MILES APPROXIMATE

FIGURE 1. LOCATION OF BOCA CHICA FACILITY-WIDE BACKGROUND LOCATIONS AND SOLID WASTE MANAGEMENT UNITS, AREAS OF CONCERN, AND INSTALLATION RESTORATION SITES

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE: AS NOTED	DATE: 04/29/96	REV.: 0
CHECKED BY:	CONTRACT NO.: 7046	FILE NAME 7046-1	

DEFINITION OF TERMS IN THE RELATIVE RISK MODEL

Contaminant Hazard Factor (CHF)

Significant: When the sum of contaminant hazard factors for all contaminants for a specific medium is greater than 100.

Moderate: When the sum of contaminant hazard factors for all contaminants for a specific medium is between 2 and 100.

Minimal: When the sum of contaminant hazard factors for all contaminants for a specific medium is less than 2.

Migration Pathway Factor (MPF)

Evident: Analytical data or observable evidence indicates that contamination is moving away from the source.

Potential: The possibility exists for contamination to be present at (or migrate to) a point of exposure; or information is not sufficient to make a determination of Evident or Confirmed.

Confined: Information indicates that the potential for contaminant migration from the source is limited due to geological structures or physical controls).

Receptor Factor (RF)

Identified: There is a threatened or potentially threatened water supply downgradient of the source. The groundwater (contaminated or uncontaminated) is a current drinking water source or is equivalent to a Class I or Class IIA aquifer.

Potential: There is no potentially threatened water supply well downgradient of the source. The groundwater is potentially useable for drinking water, irrigation or agriculture, but it is not presently used (i.e., a Class IIB aquifer).

Limited: There is no potentially threatened water supply well downgradient of the source. The groundwater is not considered a potential source of drinking water or is of limited beneficial use (i.e., a Class IIIA, Class IIIB or perched aquifer).

Key West Relative Risk Ranks

SITE SITE 00001 **DESCRIPTION** TRUMAN ANNEX DISPOSAL AREA

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Significant	Significant	Potential	Potential	Limited	Limited	Med	Med
Sediment Ecological Marine	Moderate	Significant	Evident	Evident	Identified	Identified	High	High
Soil	Significant	Moderate	Potential	Potential	Potential	Potential	High	Med
Surface Water Ecological Marine	N/A	Minimal	N/A	Potential	N/A	Potential	N/A	Low

OVERALL SITE RANK WAS **High** NOW **High**

Key West Relative Risk Ranks

SITE SITE 00002 **DESCRIPTION** TRANSFORMER OIL DISPOSAL

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Significant	Significant	Confined	Confined	Limited	Limited	Low	Low
Soil	Minimal	Minimal	Potential	Potential	Potential	Potential	Low	Low

OVERALL SITE RANK WAS **Low** NOW **Low**

Key West Relative Risk Ranks

SITE SITE 00003 **DESCRIPTION** TRUMAN ANNEX DDT MIXING AREA

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Moderate	Moderate	Potential	Potential	Identified	Potential	High	Med
Soil	Moderate	Moderate	Potential	Confined	Identified	Potential	High	Low

OVERALL SITE RANK WAS **High** NOW **Medium**

Key West Relative Risk Ranks

SITE SITE 00006 **DESCRIPTION** DREDGER KEY REFUSE DISPOSAL AREA

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Soil	N/A	Moderate	N/A	Potential	N/A	Potential	N/A	Med

OVERALL SITE RANK WAS **N/A** NOW **Medium**

Key West Relative Risk Ranks

SITE SITE 00007 **DESCRIPTION** NORTH FLEMING KEY LANDFILL

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Significant	Significant	Potential	Potential	Limited	Limited	Med	Med
Sediment Ecological Marine	Moderate	Moderate	Evident	Evident	Potential	Potential	High	High
Soil	Moderate	Moderate	Potential	Potential	Potential	Limited	Med	Low
Surface Water Ecological Marine	Moderate	Moderate	Evident	Evident	Identified	Identified	High	High

OVERALL SITE RANK WAS **High** NOW **High**

Key West Relative Risk Ranks

SITE SITE 00008 **DESCRIPTION** SOUTH FLEMING KEY LANDFILL

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Significant	Significant	Potential	Potential	Limited	Limited	Med	Med
Sediment Ecological Marine	Moderate	Moderate	Evident	Evident	Potential	Potential	High	High
Soil	Minimal	Minimal	Potential	Potential	Potential	Limited	Low	Low
Surface Water Ecological Marine	Moderate	Moderate	Evident	Evident	Identified	Identified	High	High

OVERALL SITE RANK WAS **High** NOW **High**

Key West Relative Risk Ranks

SITE SITE 00018 **DESCRIPTION** BIG COPPET KEY DISPOSAL AREA (AOC B)

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Significant	Significant	Potential	Potential	Limited	Potential	Med	High
Sediment Ecological Marine	Moderate	Moderate	Evident	Evident	Identified	Potential	High	High
Soil	N/A	Minimal	N/A	Potential	N/A	Potential	N/A	Low
Surface Water Ecological Marine	Moderate	Significant	Evident	Evident	Identified	Potential	High	High

OVERALL SITE RANK WAS **High** NOW **High**

Key West Relative Risk Ranks

SITE SITE 00020 **DESCRIPTION** DEMOLITION KEY (AOC A)

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Significant	Significant	Potential	Potential	Potential	Limited	High	Med
Sediment Ecological Marine	Minimal	Minimal	Potential	Potential	Identified	Identified	Med	Med
Soil	Significant	Significant	Potential	Potential	Limited	Potential	Med	High

OVERALL SITE RANK WAS **High** NOW **High**

Key West Relative Risk Ranks

SITE SWMU 00001 **DESCRIPTION** BOCA CHICA OPEN DISPOSAL AREA

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Moderate	Moderate	Potential	Potential	Potential	Potential	Med	Med
Sediment Ecological Marine	Significant	Moderate	Evident	Evident	Identified	Identified	High	High
Soil	Moderate	Moderate	Potential	Potential	Potential	Limited	Med	Low
Surface Water Ecological Marine	Moderate	Moderate	Evident	Evident	Identified	Identified	High	High

OVERALL SITE RANK WAS **High** NOW **High**

Key West Relative Risk Ranks

SITE SWMU 00002 **DESCRIPTION** BOCA CHICA DDT MIXING AREA

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Moderate	Moderate	Evident	Potential	Potential	Limited	High	Low
Sediment Ecological Marine	Significant	Moderate	Evident	Evident	Identified	Identified	High	High
Soil	Moderate	Moderate	Potential	Potential	Limited	Limited	Low	Low
Surface Water Ecological Marine	Moderate	Moderate	Potential	Evident	Potential	Identified	Med	High

OVERALL SITE RANK WAS **High** NOW **High**

Key West Relative Risk Ranks

SITE SWMU 00003 **DESCRIPTION** BOCA CHICA FFTA

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Moderate	Moderate	Potential	Potential	Potential	Limited	Med	Low
Sediment Ecological Marine	Moderate	Moderate	Potential	Potential	Identified	Potential	High	Med
Soil	Minimal	Minimal	Potential	Potential	Potential	Limited	Low	Low
Surface Water Ecological Marine	Minimal	Minimal	Potential	Potential	Potential	Potential	Low	Low

OVERALL SITE RANK WAS **High** NOW **Medium**

Key West Relative Risk Ranks

SITE SWMU 00004 **DESCRIPTION** AIMD BLDG A980

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Minimal	Moderate	Potential	Potential	Potential	Limited	Low	Low
Sediment Ecological Marine	Moderate	Moderate	Potential	Potential	Potential	Potential	Med	Med
Soil	Minimal	Minimal	Potential	Potential	Potential	Potential	Low	Low
Surface Water Ecological Marine	Moderate	Moderate	Potential	Potential	Potential	Potential	Med	Med

OVERALL SITE RANK WAS **Medium** NOW **Medium**

Key West Relative Risk Ranks

SITE SWMU 00005 **DESCRIPTION** AIMD BLDG A990

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Minimal	Minimal	Potential	Potential	Potential	Limited	Low	Low
Sediment Ecological Marine	Moderate	Moderate	Potential	Potential	Potential	Potential	Med	Med
Soil	Minimal	Minimal	Potential	Potential	Potential	Potential	Low	Low
Surface Water Ecological Marine	Moderate	Moderate	Potential	Potential	Potential	Potential	Med	Med

OVERALL SITE RANK WAS **Medium** NOW **Medium**

Key West Relative Risk Ranks

SITE SWMU 00007 **DESCRIPTION** BLDG A824

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Moderate	Moderate	Potential	Potential	Potential	Potential	Med	Med
Sediment Ecological Marine	Moderate	Moderate	Potential	Potential	Potential	Potential	Med	Med
Soil	Moderate	Moderate	Potential	Potential	Potential	Limited	Med	Low
Surface Water Ecological Marine	Minimal	Minimal	Potential	Potential	Potential	Potential	Low	Low

OVERALL SITE RANK WAS **Medium** NOW **Medium**

Key West Relative Risk Ranks

SITE SWMU 00009 **DESCRIPTION** JET ENGINE TEST CELL

MEDIA	CHF WAS	CHF NOW	MPF WAS	MPF NOW	RF WAS	RF NOW	RANK WAS	RANK NOW
Ground Water	Moderate	Moderate	Evident	Evident	Identified	Limited	High	Med
Sediment Ecological Marine	N/A	Moderate	N/A	Potential	N/A	Identified	N/A	High
Soil	N/A	Moderate	N/A	Potential	N/A	Potential	N/A	Med
Surface Water Ecological Marine	N/A	*	N/A	Potential	N/A	Identified	N/A	*

* No risk-based concentrations are provided by the relative risk model for contaminants found in this media. These constituents will be evaluated in the risk assessment.

OVERALL SITE RANK WAS **High** NOW **High**

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00001	TRUMAN ANNEX DISPOSAL AREA			
Media	Ground Water			
		Lead	5,700.00	1,425.00
		Mercury and compounds (inorganic)	640.00	58.18
		Antimony and compounds	563.00	38.56
		Arsenic (cancer)	62.20	16.37
		Manganese	2,940.00	16.33
		Copper and compounds	10,200.00	7.52
		Chromium (total)	657.00	3.60
		Cadmium and compounds	54.50	2.98
		Zinc	15,200.00	1.39
		Aluminum	46,500.00	1.27
		Beryllium and compounds	1.60	1.00
		Heptachlor epoxide	0.63	0.85
		Barium and compounds	1,380.00	0.54
Media	Sediment Ecological Marine			
		PCBs	10.33	206.60
		Lead	134.00	3.83
		Endrin	0.07	3.45
		Antimony and compounds	6.80	3.40
		Copper and compounds	132.00	1.89
		Zinc	150.00	1.25
		Mercury	0.15	1.00
		Dieldrin	0.01	0.60
Media	Soil			
		Lead	3,700.00	9.25
		Manganese	874.00	2.73
		Arsenic (cancer)	44.70	1.40
		Benzo[a]pyrene	4.30	0.70
Media	Surface Water Ecological Marine			
		Antimony and compounds	257.00	0.51

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00002	TRANSFORMER OIL DISPOSAL			
Media Ground Water				
		Lead	1,200.00	300.00
		Naphthalene	3,250.00	13.54
Media Soil				
		Polychlorinated biphenyls (PCBs)	4.20	0.64

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00003	TRUMAN ANNEX DDT MIXING AREA			
Media Ground Water				
		Lead	77.00	19.25
		Naphthalene	2,800.00	11.67
		Arsenic (cancer)	38.80	10.21
		Antimony and compounds	83.20	5.70
		Benzene	220.00	5.64
		Dieldrin	1.20	2.86
		Fluorene	260.00	1.08
		Aroclor	0.80	0.92
Media Soil				
		Lead	653.00	1.63

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00006	DREDGER KEY REFUSE DISPOSAL AREA			
Media Soil				
		Benzo[a]pyrene	62.00	10.16
		Dibenz[ah]anthracene	27.00	4.43
		Chrysene	76.00	3.17
		Benzo[b]fluoranthene	100.00	1.64
		Anthracene	25.00	1.32
		Benz(a)anthracene	66.00	1.08
		Indeno[1,2,3-cd]pyrene	45.00	0.74

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00007	NORTH FLEMING KEY LANDFILL			
Media	Ground Water			
		Lead	2,000.00	500.00
		Antimony and compounds	464.00	31.78
		Arsenic (cancer)	61.80	16.26
		Mercury and compounds (inorganic)	73.00	6.64
		Copper and compounds	5,560.00	4.10
		Chromium (total)	384.00	2.10
		Cadmium and compounds	21.70	1.19
		Vanadium	229.00	0.90
		Zinc	8,790.00	0.80
		Nickel and compounds	409.00	0.56
Media	Sediment Ecological Marine			
		Mercury	0.24	1.60
		Lead	38.00	1.09
		Copper and compounds	46.00	0.66
Media	Soil			
		Antimony and compounds	50.30	1.62
		Lead	337.00	0.84
Media	Surface Water Ecological Marine			
		Mercury	0.63	25.20
		Lead	72.20	8.49

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00008	SOUTH FLEMING KEY LANDFILL			
Media	Ground Water			
		Lead	1,870.00	467.50
		Mercury and compounds (inorganic)	620.00	56.36
		Arsenic (cancer)	109.00	28.68
		Antimony and compounds	236.00	16.16
		Thallium sulfate	11.60	4.00
		Aluminum	72,000.00	1.97
		Chlorobenzene	71.00	1.82
		Cadmium and compounds	31.00	1.69
		Copper and compounds	1,780.00	1.31
		Manganese	195.00	1.08
		Beryllium and compounds	1.10	0.69
		Chromium VI and compounds	115.00	0.63
Media	Sediment Ecological Marine			
		Lead	1,680.00	48.00
		Zinc	1,620.00	13.50
		Mercury	1.60	10.67
		Antimony and compounds	20.70	10.35
		Nickel and compounds	65.40	2.18
		Arsenic (cancer)	43.50	1.32
		Chromium VI and compounds	70.70	0.88
Media	Surface Water Ecological Marine			
		Aroclor	1.10	36.67
		Lead	155.00	18.24
		Mercury	0.43	17.20
		Silver and compounds	10.20	11.09
		Cadmium and compounds	19.80	2.13
		Arsenic (III)	57.30	1.59
		Chromium VI and compounds	37.20	0.74
		Zinc	62.30	0.72

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00018	BIG COPPET KEY DISPOSAL AREA (AOC B)			
Media	Ground Water			
		Lead	309.00	77.25
		Arsenic (cancer)	83.40	21.95
		Antimony and compounds	240.00	16.44
		Chromium (total)	428.00	2.35
Media	Sediment Ecological Marine			
		Zinc	2,590.00	21.58
		Antimony and compounds	8.90	4.45
		Cadmium and compounds	15.60	3.12
		Mercury	0.22	1.47
		Lead	44.70	1.28
		Nickel and compounds	38.10	1.27
		Chromium VI and compounds	67.40	0.84
		Arsenic (cancer)	27.10	0.82
Media	Surface Water Ecological Marine			
		Aroclor	8.00	266.67
		Zinc	1,290.00	15.00
		Mercury	0.24	9.60
		Lead	71.00	8.35
		Nickel and compounds	49.60	5.98
		Chromium VI and compounds	115.00	2.30
		Arsenic (III)	70.30	1.95
		Antimony and compounds	268.00	0.54

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SITE 00020	DEMOLITION KEY (AOC A)			
Media Ground Water				
		Lead	1,610.00	402.50
		Antimony and compounds	249.00	17.05
		Copper and compounds	4,070.00	3.00
		Cadmium and compounds	52.20	2.85
		Zinc	23,500.00	2.15
Media Soil				
		Lead	46,800.00	117.00
		Lead	46,800.00	117.00
		Antimony and compounds	512.00	16.52
		Arsenic (cancer)	73.80	2.31
		Copper and compounds	1,540.00	0.55

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SWMU 00001	BOCA CHICA OPEN DISPOSAL AREA			
Media	Ground Water			
		Arsenic (cancer)	94.50	24.87
		Lead	74.40	18.60
		Antimony and compounds	251.00	17.19
		Vinyl chloride	16.00	8.00
		Thallium sulfate	20.10	6.93
		Mercury and compounds (inorganic)	66.00	6.00
		Naphthalene	725.00	3.02
		Aluminum	27,000.00	0.74
		Benzene	25.00	0.64
		Chromium VI and compounds	106.00	0.58
Media	Sediment Ecological Marine			
		Mercury	1.90	12.67
		Lead	181.00	5.17
		Copper and compounds	211.00	3.01
		Zinc	216.00	1.80
Media	Soil			
		Lead	436.00	1.09
		Antimony and compounds	21.70	0.70
Media	Surface Water Ecological Marine			
		Mercury	0.32	12.80
		Lead	83.30	9.80
		Zinc	129.00	1.50
		Cadmium and compounds	13.70	1.47

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SWMU 00002	BOCA CHICA DDT MIXING AREA			
Media	Ground Water			
		Dichloroethane, 1,2- (EDC)	773.00	64.42
		Aldrin	2.70	6.75
		Antimony and compounds	88.00	6.03
		Thallium sulfate	11.70	4.03
		Chlorobenzene	120.00	3.08
		Vinyl chloride	3.00	1.50
		Benzene	54.00	1.38
Media	Sediment Ecological Marine			
		DDD,4,4-	17.20	17.20
		DDT	14.80	7.40
		DDE,4,4-	7.50	3.75
		Zinc	170.00	1.42
		Lead	24.00	0.69
Media	Soil			
		HCH (beta)	51.00	2.04
		HCH (alpha)	7.20	1.01
		Chlordane	24.00	0.71
Media	Surface Water Ecological Marine			
		Lead	80.40	9.46

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SWMU 00003	BOCA CHICA FFTA			
Media	Ground Water			
		Antimony and compounds	161.00	11.03
		Arsenic (cancer)	39.30	10.34
		Vinyl chloride	17.00	8.50
Media	Sediment Ecological Marine			
		Lead	136.00	3.89
		Copper and compounds	163.00	2.33
		Zinc	88.90	0.74
Media	Surface Water Ecological Marine			
		Lead	14.40	1.69
Media	Surface Water Human			
		Lead	14.40	3.60

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SWMU 00004	AIMD BLDG A980			
Media	Ground Water			
		Antimony and compounds	78.70	5.39
		Arsenic (cancer)	11.30	2.97
		Lead	7.60	1.90
		Carbon disulfide	34.90	1.66
		Vinyl chloride	2.70	1.35
Media	Sediment Ecological Marine			
		Antimony and compounds	8.80	4.40
		Lead	38.10	1.09
Media	Surface Water Ecological Marine			
		Lead	80.40	9.46

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SWMU 00005	AIMD BLDG A990			
Media	Ground Water			
		Beryllium and compounds	1.30	0.81
Media	Sediment Ecological Marine			
		Lead	966.00	27.60
		Cadmium and compounds	120.00	24.00
		Zinc	824.00	6.87
		Chromium (total)	428.00	5.35
		Antimony and compounds	4.00	2.00
		Nickel and compounds	26.60	0.89
		Copper and compounds	38.90	0.56
Media	Surface Water Ecological Marine			
		Lead	68.90	8.11
		Chromium VI and compounds	58.20	1.16
		Cadmium and compounds	9.70	1.04

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SWMU 00007	BLDG A824			
Media	Ground Water			
		Lead	9.50	2.38
Media	Sediment Ecological Marine			
		Silver and compounds	29.10	29.10
		Mercury	1.80	12.00
		Aroclor	0.37	7.40
		Antimony and compounds	7.00	3.50
		Zinc	382.00	3.18
		Lead	86.50	2.47
		Cadmium and compounds	2.80	0.56
Media	Soil			
		Polychlorinated biphenyls (PCBs)	17.00	2.58

Contaminants by Site and Media

SITE	DESCRIPTION	Compound	Concentration	CHF
SWMU 00009	JET ENGINE TEST CELL			
Media	Ground Water			
		1,2-Dichloroethylene (cis)	1,560.00	25.57
		1,2-Dichloroethylene (trans)	3,060.00	25.50
		Benzene	56.00	1.44
Media	Sediment Ecological Marine			
		Mercury	1.10	7.33
		Lead	23.10	0.66
		Arsenic (noncancer)	17.80	0.54
Media	Soil			
		Lead	434.00	1.09

Dudley Patrick
Naval Facilities Engineering Command
Southern Division

Cleanup Budget for NAS Key West

NAS KEY WEST
FY97 BUDGET OUTLOOK

- Maintain continuity
- Close out sites
- Final remedial actions
- High priority sites
- Supported by risk rankings

- IR-1 Truman Annex Ref Disp Area
- IR-3 Truman Annex DDT Mix Area
- SWMU-1 Boca Chica Open Disp
- SWMU-2 Boca Chica DDT Mix Area
- SWMU-9 Jet Eng Test Cell

UPDATE

Interim Remediation & Source Removal of Contaminants NAS Key West Florida

Dudley Patrick
SOUTHDIV

Status: 20 May 96

- Complete — Qty (cy)
  - » *SWMU-1* — *6275*
  - » *SWMU-2* — *1943*
  - » *SWMU-3* — *835*
  - » *SWMU-7* — *26*
  - » *IR-1* — *4878*
  - » *IR-3* — *735*
  - » *IR-7* — *N/A*
  - » *AOC-B* — *993*
  - » ***Total*** — ***15,685***

- In Progress — Qty (cy)
  - » *SWMU-9* — *N/A*

- Being Designed
  - » *IR-8* — *1800 lf*
  - » *Subcontractor selected for design / build.*
  - » *Construction scheduled January - March, 1997*

Significant Recent Events

- Completed IRA SWMU-1 & SWMU-2
- Completed wetlands restoration
  - » AOC-B, SWMU-1, and SWMU-2
- Selected specialty subcontractor for IR-8 Fleming Key Landfill Site
- Completed design SWMU-9 system
- Obtained EPA / FDEP concurrence on completion of IRAs & SWMU-9 design

Highlights of Completed Sites

SWMU-1:	Reduced highest lead concentration from 12,300 to 436 ppm
SWMU-2:	Reduced DDT in sediment from 2400 to 14.8 ppm
IR-1:	Reduced highest lead concentration from 35,200 to 680 ppm
IR-3:	Reduced DDE in soil from 68 to 11 ppm

IRA OBJECTIVES ACHIEVED AT ALL SITES

SWMU-9 (Jet Eng Test Cell)

Problem: Petroleum Product and Chlorinated Solvent Plume

Solution: Install Groundwater Pump & Treat System

- » *3 Recovery wells (16 ft)*
- » *1 Deep monitoring well (27 ft)*
- » *Package treatment system with oil/water separator and air stripper*
- » *Infiltration gallery to discharge treated groundwater*
- » *Start June 1996*

IR-8 (Fleming Key)

Problem: Erosion of landfill contents at shoreline

Solution: Install Shoreline Protection System

- » *Approx 1800 linear feet west from water treatment plant*
- » *Berm-type structure*
- » *Pre-cast concrete mats on face (Armor Flex)*
- » *Height: 10 ft above Mean Sea Level*
- » *Stone roadway on top; erosion mats for drainage on back*
- » *Construction January - March 1997*

Kevin Walter

Update of RCRA Facility Investigation/ Remedial Investigation

Supplemental RCRA Facility Investigation/Remedial Investigation (RFI/RI)

- Further investigation of four priority sites and three background sites on Boca Chica
- Sample analysis and data validation complete
- Contaminants of concern: pesticides, metals, petroleum compounds
- Will report on data interpretation at July 29 RAB meeting
- Draft RFI/RI report finished in 9/96

Ron Demes/Susan Loder

Potential Topics for Next Meeting

Adjournment
Poster Session/Questions and Answers

LEGAL NOTICES

ENVIRONMENTAL PUBLIC MEETING NOTICE

The Restoration Advisory Board (RAB) of Naval Air Station, Key West, made up of community members, representatives of the U.S. Navy, and state and regulatory agencies, is holding its third open meeting to discuss environmental cleanup activities at the Station. The meeting will be held on May 20, 1996 at 7:00 PM at the Holiday Inn Beachside (Tortuga Room), 3841 North Roosevelt Boulevard, Key West. The public is invited to attend and participate in an informal question and answer period following the business portion of the RAB meeting. Technical experts on the environmental program will be on hand to meet with community members at that time.

Documents on the environmental program at Naval Air Station, Key West, are available for public review and copying at the Monroe County Library, 700 Fleming Street, Key West. They are located in the Local and State History Department.

For further information, please call Helen Stanley at (305) 293-2060 or LT Jonathan Hupp at (305) 293-2425. Deaf and Hearing Impaired Persons: A sign language interpreter is available on request. Call LT Jonathan Hupp at (305) 293-2425 using FRS by May 13, to request interpreter services.

May 16th & 19th, 1996

ENVIRONMENTAL PUBLIC SERVICE ANNOUNCEMENT

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