

Former Fire-Fighting Training Area Release Abatement Measure (RAM) Exploratory Phase



TETRA TECH EC, INC.

Presented by

Janice McIntosh, LSP

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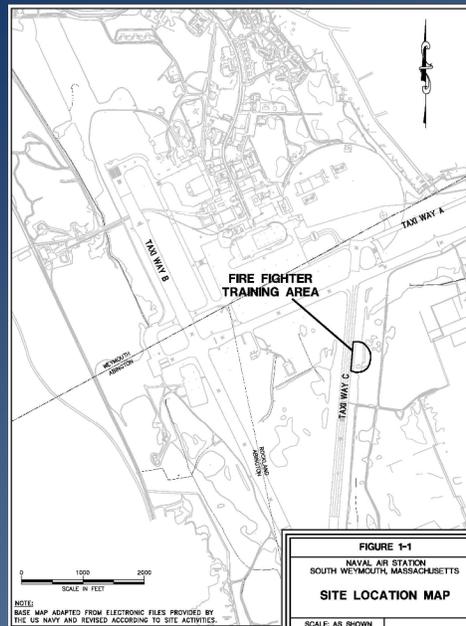


Presentation Overview

- **Site Location**
- **Site Use History**
- **Considerations**
- **Release Abatement Objectives**
 - Phase 1 Exploratory Phase
 - Phase 2 Response Phase
- **Phase 1 Update**
 - Proposed Activities
 - Deviations
- **Future Activities**
- **Schedule**



FFTA Location



FFTA Use History

- 1950s - 1980s Fire-Fighting Training Area
- Waste Oils, JP-5, and Other Fuels Ignited and Extinguished
- Fires ignited in vehicles
- Fires ignited in burnpits



FFTA Regulatory History

- Formerly Installation Restoration (IR) Site 4
 - Phase I and Phase II Remedial Investigation
 - Identified no human or ecological risk
 - No Action Record of Decision (ROD) signed by EPA & Navy on 09/30/04 - MADEP concurred
 - ROD specified that petroleum residuals at site to be addressed under MCP



FFTA RAM Considerations

- MADEP representative on-site
- Wetland Buffer Zone
 - Soil erosion control measures
 - Soil stockpiles covered with poly sheeting
- Eastern Box/Spotted Turtles
 - Silt fence/haybales at site perimeter
 - Wildlife biologist on-site



Release Abatement Measure Phases

- **Phase 1 Exploratory**
 - Determine if contamination exists
 - Delineate contamination
 - Methods: testpitting, observations, sampling
- **Phase II Response Action**
 - Evaluate results of Phase I
 - If contamination exists, determine response action
 - Methods: soil excavation, groundwater containment, confirmatory soil sampling, groundwater monitoring, off-site disposal



RAM Phase I Components

- **Testpitting**
 - Proposed—10 testpits (10 x 3 x 4-ft) excavated
 - Actual—14 testpits (10-75 x 3 x 4-ft) excavated
- **Demolition of 4 former burnpits**
- **2-5 soil samples collected from each testpit/burnpit**
- **Jar headspace readings on all samples**
- **Highest headspace for laboratory analysis**
- **Groundwater pumped, containerized, sampled**



RAM Phase I Update

- No turtles observed
- No soil was dispersed into wetlands
- Groundwater was containerized
- Awaiting analytical data
- Petroleum was observed in 8 testpits
 - Odor
 - Visual



Actual Testpitting Area



Future Activities

- Receive and evaluate laboratory data
- Update Rockland Conservation Commission
- LSP of Record to Develop Response Action
- Implement Response Action



Likely Soil Removal Area



Schedule

- **Start Field Work** Nov 14, 2005
- **Draft RAM Completion Report** Feb 15, 2006
- **End of MADEP Review Period** Mar 15, 2006
- **Final RAM Completion Report
& RAO Statement** Apr 15, 2006

