



DON Portfolio Optimization Initiative for Installation Restoration Program Sites

Presented to FRTR
Rockville, MD

NAVFAC HEADQUARTERS

November 6, 2014



OUTLINE

- Background
- Objectives and Teams
- Approach
- Progress
- Questions

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BACKGROUND

As of June 2013 under IRP:

- 437 sites are in or started the RAO stage (Phase 6) or LTM stage (Phase 7)
- Of 437 sites, 278 sites are projected not meeting the RC goal of 09/30/2021
- Projected RC dates are between 2021 and 2061; CTC FY13-25 in present \$ = \$746million (M) – average annual cost of \$57.4M

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OBJECTIVES & TEAMS

<p>Objectives</p> <ul style="list-style-type: none"> •Improve compliance with FY 21 RC goal within IRP •Improve resource utilization efficiency <ul style="list-style-type: none"> – Better and more appropriate use of innovative approach and/or technologies – Cost efficiency – Lower residual risks – Acceptable by regulatory and state stakeholders – Better handle of CTC 	<p>Teams</p> <p>CORE TEAM –NAVFAC HQ, LANT, PAC, and EXWC</p> <p>FOCUSED/FUNCTIONAL TEAMS</p> <ul style="list-style-type: none"> – In house and external experts – Led by NAVFAC; leads are determined by Core Team – To simplify and focus the optimization effort
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APPROACH

- Milestone 1 – Preliminary Data Evaluation
- Milestone 2 – Create Focused Optimization Categories and Preliminary Prioritization Strategy for Each Category
- Milestone 3 – Form the Team of Experts for Each Focused Category
- Milestone 4 – Detailed Optimization
- Milestone 5 – Implementation Phase

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MILESTONE 1 – PRELIMINARY DATA EVALUATION

•Objective: Develop category and preliminary list of sites targeted for the IRP Optimization Effort based on the NORM data query and the additional information and verification provided by the RPMs

Step 1: Create preliminary sites list for optimization target from NORM Database

Step 2: Refine Step 1 list using inputs from ER Managers and RPMs

Roll Out with Core Team and ER Managers

Milestone 1: Preliminary Data Evaluation Outcome - List of candidate sites

- Contaminants and contaminated media
- Description of remedy
- CTC, proposed RC date, and projected timeframe to reach RC
- Optimization efforts to date

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MILESTONE 1 – PRELIMINARY DATA EVALUATION

Step 1 – Create Preliminary Sites List

Criteria:

1. Site population: IRP sites from EOY13 NORM data submit that are on or started Phase(P) 4, 5, 6, or 7 in FY13
2. Compliance with 09/30/21 RC Date
3. Annual and total costs and duration of P 4-7
4. Ratio of (P4&5)/(P6&7) costs

Results:

•80 Candidate Sites: 7 in Hawaii, 1 in LANT, 39 in MIDLANT, 17 in NW, 8 in SE, 2 in SW, and 4 in WASH

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MILESTONE 1 – PRELIMINARY DATA EVALUATION

Step 2 – Refine Step 1 Using Inputs from ER Managers and RPMs

Analysis Criteria:

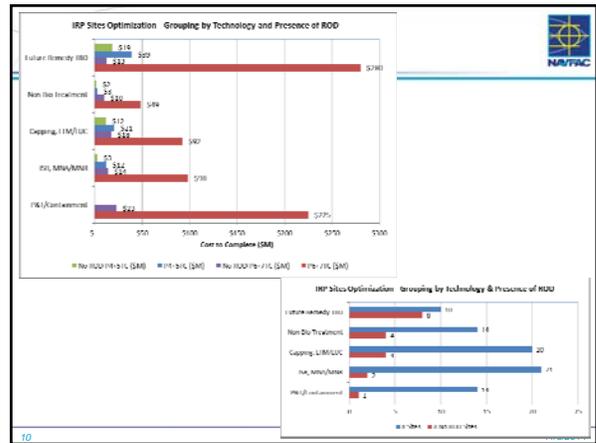
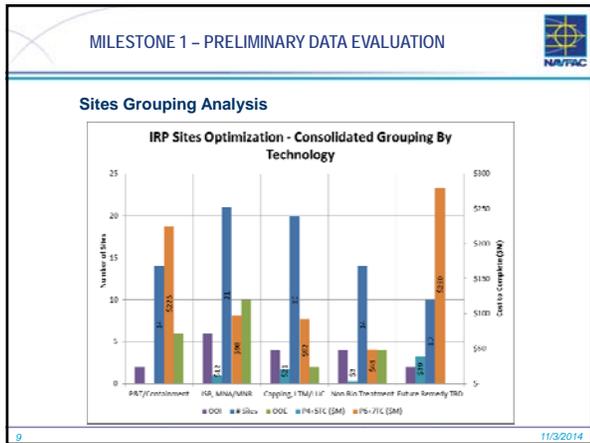
1. Technologies
2. Contaminants
3. Presence of RODs

Results:

•Preliminary focus sites categories

- Category 1: Containment and P&T Sites
- Category 2: ISB, MNA/MNR Sites
- Category 3: Capping, LTM, LUC Sites
- Category 4: Non-bio Treatment Sites
- Category 5: Future Remedy Sites (to be tie in with the Revamped RAA process)

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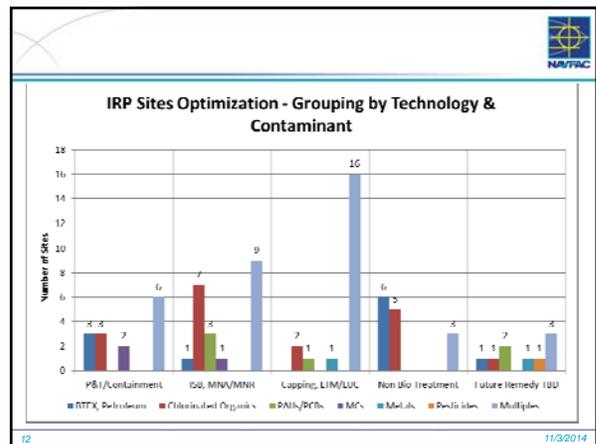


MILESTONE 1 – PRELIMINARY DATA EVALUATION

•Site Grouping Analysis – By Technology & Presence of ROD

Category by Technology	Total # Sites	# No ROD Sites	P4+5 TC (\$M)	No ROD P4+5 TC (\$M)	P6+7 TC (\$M)	No ROD P6+7 (\$M)
P&T/Containment	14	1			\$ 225	\$ 23
ISB, MNA/MNR	21	2	\$ 12	\$ 3	\$ 98	\$ 14
Capping, LTM/LUC	20	4	\$ 21	\$ 12	\$ 92	\$ 18
Non Bio Treatment	14	4	\$ 3	\$ 2	\$ 49	\$ 10
Future Remedy TBD	10	8	\$ 39	\$ 19	\$ 280	\$ 13
Total	79	19	\$ 75	\$ 35	\$ 744	\$ 77
% Total		24%		47%		10%

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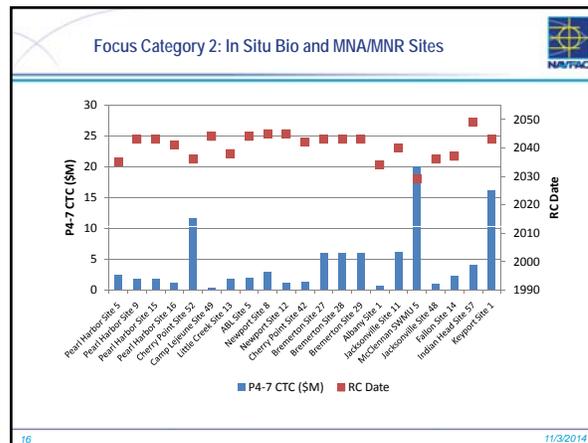
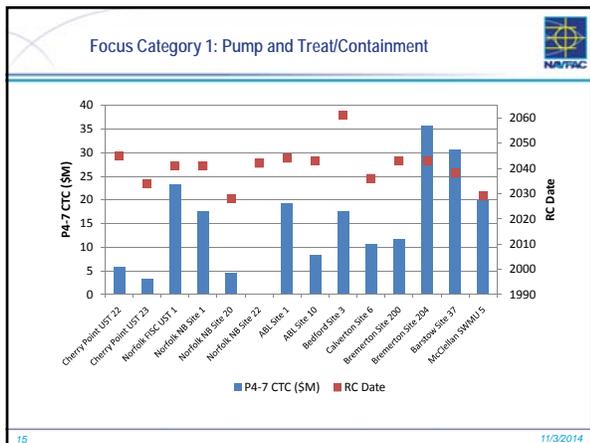
MILESTONE 1 - PRELIMINARY DATA EVALUATION

- Recommended Focused Categories:**
 - Considered based on technologies, contaminants and presence of ROD factors
 - Category 1: Containment and P&T Sites
 - Category 2: ISB, MNA/MNR Sites
 - Category 3: Capping, LTM, LUC Sites
 - Category 4: Non-bio Treatment Sites
 - Category 5: Future Remedy Sites (to be tie in with the Revamped RAA process)
- Prioritization Strategy:**
 - Phase 1 (FY15/16): Proceed with Categories 1 and 2 and form the Focus Team for each category; within each category, emphasize the No-ROD sites
 - Phase 2 (FY16/17): Similar to Phase 1, proceed with Categories 3 and 4
 - Revamp the RAA process to capture Category 5 (FY15 and beyond)

Looking Ahead: Milestone 2 - Create Focused Optimization Categories and Preliminary Prioritization Strategy for Each Category

Objective: Focus, simplify, and prioritize the tasks by categorizing the sites from Milestone 1 .

– Common prioritization strategy across the focused categories includes cost efficiency (% reduction in CTC), schedule acceleration, site complexity (i.e., technical challenges, NPL vs. non-NPL), and regulatory challenges



Milestone 3 and Milestone 4

Milestone 3: Form Teams of Experts for Each Focused Optimization Category
Outcome: Final Focused Teams

Milestone 4: Detailed Optimization
Outcome: Final findings and recommendations that identify critical measures of success; Identify approach for practical field implementation

Milestone 5 - Implementation Phase

Objective: To implement the recommendations of the optimization effort and measure the field progress and accomplishments

Milestone 5: Implementation Phase
Outcome: Measurable results at the PEC levels

