



DON RAB/TRC Training Workshop



Installation Restoration Program

Presenter:
Dave Olson



Installation Restoration Program

Outline of the Briefing



DON RAB/TRC Training Workshop

- What is this program really all about?
 - Basics
 - Funding profiles
 - Goals/objectives
- What are our future initiatives/challenges?



Installation Restoration Program

Environmental Restoration Program

- “Our goal is to achieve environmentally protective site close-outs at least cost.”
 - The Honorable Robert B. Pirie, Jr.
Assistant Secretary of the Navy (Installations and Environment), December 3, 1996



Installation Restoration Program

Program Status



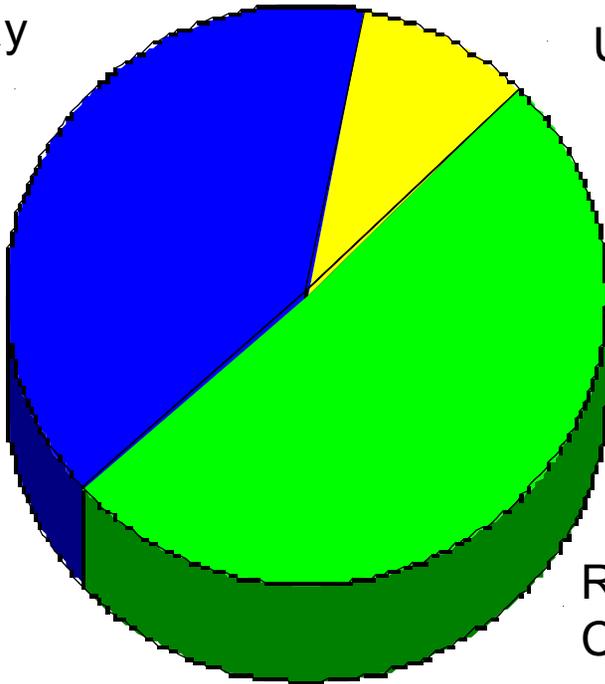
DON RAB/TRC Training Workshop

| | <i>Active</i> | <i>BRAC</i> |
|---|---------------|-------------|
| Total Number of Installations* | 201 | 54 |
| Installations with Ongoing Cleanup | 139 | 33 |
| Installations Closed Out | 62 | 21 |

* Nine installations are counted as both Active and BRAC;
Total installations = 246

Navy Program Basics - 4,676 Sites

Studies
Underway
1444

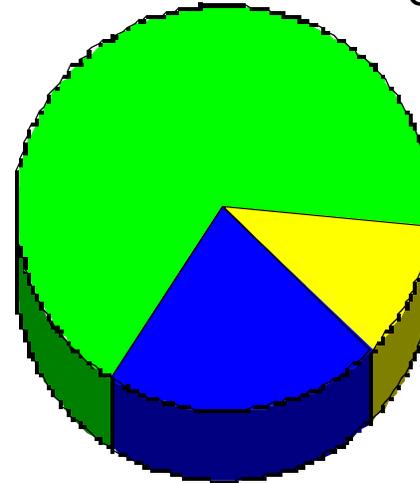


**Active
Installations
(3,659 sites)**

Cleanup
Underway
350

Response
Complete
1865

Response
Complete
685



**BRAC
Installations
(1,017 sites)**

Cleanup
Underway
113

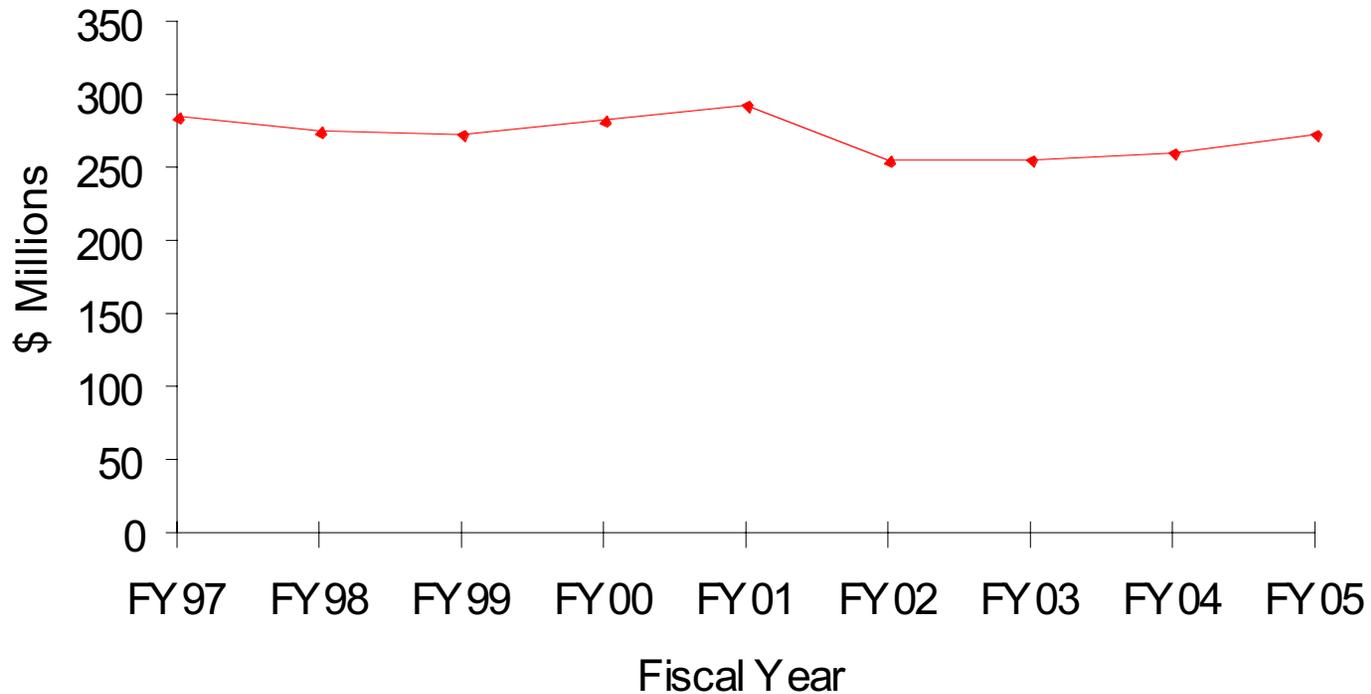
Studies
Underway
219



Installation Restoration Program

FY 02 ER,N OSD Submit (Congressional Submit delayed)

DON RAB/TRC Training Workshop

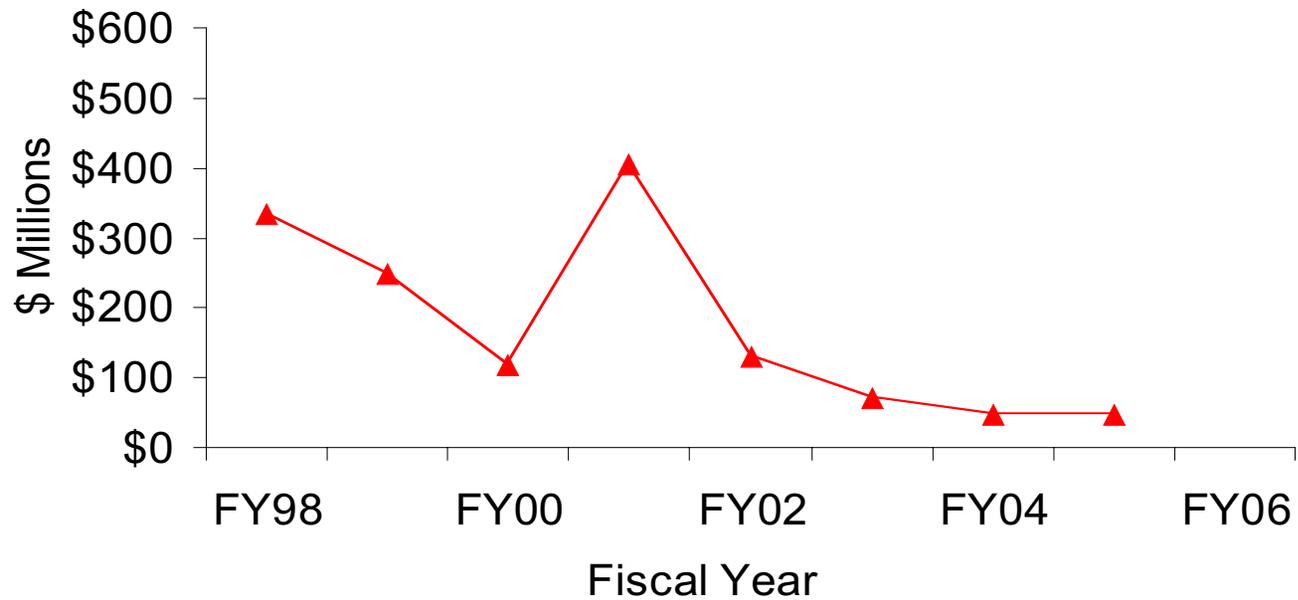




Installation Restoration Program

FY 02 BRAC OSD Submit (Congressional Submit delayed)

DON RAB/TRC Training Workshop





Installation Restoration Program

Program Metrics



DON RAB/TRC Training Workshop

- DoD Goals
 - Active Installations (ER,N funds)
 - BRAC installations
- Navy goals



Installation Restoration Program

Defense Planning Guidance Goals

| ER,N - | Projection | Status | | |
|--|------------|--------|--------|-------|
| | | Red | Yellow | Green |
| > EOY02 - 50% of high RR sites reduced or RIP/RC | 53% | | | X |
| * EOY07 - 100% of high RR sites RIP/RC | 91% | | X | |
| * EOU11 - 100% of medium RR sites RIP/RC | 89% | | X | |
| > EOY14 - 100% of low RR sites RIP/RC | 100% | | | X |

*Intentional prioritization using risk management; expect to complete on time with available \$



Installation Restoration Program

Defense Planning Guidance Goals

| BRAC - By EOY01 | Projection | Status |
|--|------------|---|
| | |    |
| > Suitable for transfer - 75% of CAT 5 - 7 acres | 75% | X |
| > All sites RC/RIP - 75% of all installations | 43% | X |
| RIP/RC - 90% of all sites | 78% | X |



Installation Restoration Program

Defense Planning Guidance Goals

BRAC - By EOY05

Projection

Status



> **Suitable for transfer - 100% of CAT 5 - 7 acres**

85%

X

> **All sites RC/RIP - 100% of all installations**

85%

X



Installation Restoration Program

Program Metrics



DON RAB/TRC Training Workshop

- DoD Goals
- Navy Goals
 - Category
 - Risk
 - Executable



Installation Restoration Program

ER,N Navy Goals



- 60% funds for cleanup
- 70% funds for high relative risk
- Optimization of long-term management (LtMgmt)
- 10-12% management costs
- Closeout entire installations



Installation Restoration Program



Future Initiatives/Challenges

- Site close outs
- Five-year reviews
- LTMgmt review/optimization
- Land Use Controls (LUCs)



Installation Restoration Program

Site Close Outs



DON RAB/TRC Training Workshop

- Problematic for DoD
- Stakeholder/Regulator Acceptance
- New DoD Policy necessary



Installation Restoration Program

Five-Year Reviews



- DON policy in final draft
 - Installation wide; option for individual areas on complex sites
 - ER,N funds for active installations while cleanup ongoing; installation funds after cleanup complete
 - Navy signature; regulator for information
 - Keep public informed



Installation Restoration Program

LTMgmt Guidance



- ERN Funds
 - Until cleanup standards are met
 - Pump and treat
 - Natural attenuation
 - Initial Five Year Reviews
 - Remedy failure
- Activity Funds
 - LTMgmt 5 years after response complete
 - Yearly groundwater monitoring
 - LUC reviews
 - Landfill cap maintenance
 - 5-year reviews



Installation Restoration Program



LTMgmt Optimization Issues

DON RAB/TRC Training Workshop

- Evaluate operations and monitoring annually
 - Look at data trends
 - Contaminant mass removal
 - Progress toward meeting cleanup requirements
- Identify optimization opportunities
 - May need to modify or replace existing technology/approach
 - Many optimization opportunities for P&T sites
 - Consider “life-cycle cost” for various options



Installation Restoration Program



LTMgmt Optimization Issues

DON RAB/TRC Training Workshop

- Focus on site closeout
 - Look beyond response complete
- Implement and track optimization recommendations
 - RPMs need to plan and budget for implementation



Installation Restoration Program



Land Use Controls (LUCs)

- Becoming more common place
- Active vs. BRAC installations
- Requirements
 - Permanence
 - Periodic review
 - Regulator enforcement