

Environmental Compliance

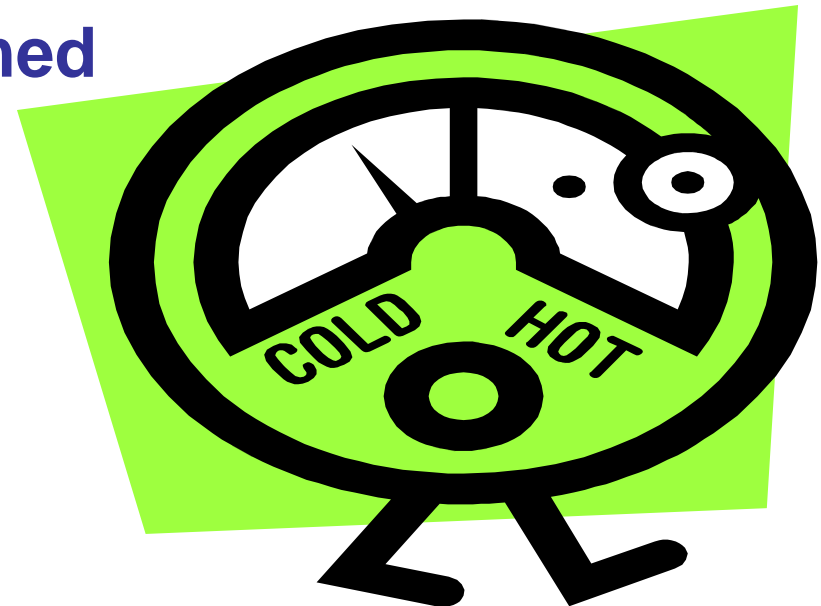
Dr. Amy Cheatham, P.E.
Environmental Compliance
NAVFAC Atlantic

June 2011

Presentation Agenda



- Introduction and Current Climate
- Acquisition strategy
- Overview of NAVFAC Environmental Compliance Program
 - Types of work performed
 - Unique areas of focus
- Summary



Introduction and Current Climate

Changes to business philosophy:

- Fewer resources, more regulatory requirements, swimming against the tide
- More in-house work: maintain skills, reduce costs, stabilize workforce
- Energy (Public Works (PW)) focus on conservation for Greenhouse Gas (GHG) reductions. Few alternative energy projects.
- Design focus on LEED Gold:
 - more upfront site planning
 - Integrated approach: Asset Management (AM), PW, Environmental (EV), and Capital Improvements (CI) all involved early in the process
- Environmental Management System (EMS) focus on continued improvement in the area of implementation (Standard Operating Procedures (SOPs), training, oversight)



Planned Compliance Contracts



FEC	A/E? (YES/ NO)	CONTRACT TITLE	SB or UB	SINGLE or MAC	DURA TION	TOTAL CAPACITY \$M	FEDBIZ OPS	AWARD DATE
EURAFSWA	NO	Environmental Waste Services	UB	SINGLE	3	5	FY11 Q2	FY11 Q3
EURAFSWA	NO	Environmental Lab Services	UB	SINGLE	3	2.5	FY11 Q3	FY11 Q4
EURAFSWA	NO	Environmental OHS Spill Services	UB	SINGLE	3	2.5	FY11 Q4	FY12 Q1
EURAFSWA	NO	Environmental FGS Services	UB	SINGLE	3	5	FY13 Q3	FY13 Q4
LANT	YES	Multi-media	UB	MAC	3	75	FY12 Q1	FY12 Q4
LANT	YES	Air	UB	SINGLE	3	15	FY12 Q1	FY12 Q4
LANT	YES	Hazardous Waste	UB	SINGLE	3	15	FY13 Q1	FY13 Q4
LANT	YES	Water/WW/SW	UB	SINGLE	3	15	FY14 Q1	FY14 Q3
ML	YES	Compliance (AST/UST)	SB	SINGLE	3	4	FY13 Q1	FY13 Q3
ML	YES	Third Party Monitoring (asbestos/Pb/radon)	SB	SINGLE	3	2	FY13 Q2	FY13 Q4

Planned Compliance Contracts



SE	NO	ETS- Compliance (Petroleum clean up, Reg.	SB	SINGLE	3	3.5	N/A	FY11 Q4
SE	NO	ETS- Compliance (ORC)	SB	SINGLE	3	3.5	N/A	FY11 Q3
SE	NO	ETS- Compliance (Petroleum clean up, Reg.	SB	SINGLE	3	3.5	N/A	FY11 Q3
SE	YES	P2/EPCRA/SW	SB	SINGLE	3	5	FY11 Q1	FY11 Q3
SE	YES	HW/OEL/Range	SB	SINGLE	3	5	FY11 Q1	FY11 Q3
SE	YES	Air / Radon	SB	SINGLE	3	3	FY11 Q4	FY12 Q4
WASH	YES	Potable Water/Waste Water	SB	SINGLE	3	3	FY12 Q1	FY12 Q2
WASH	YES	Storm Water	SB	SINGLE	3	3	FY12 Q1	FY12 Q2
WASH	YES	LID/Storm Water Management Services/cons	SB	SINGLE	3	3	FY12 Q1	FY12 Q2
SW	YES	Water Quality	SB	SINGLE	3	20	FY11 Q2	FY12 Q1
SW	YES	Multi Media	SB	SINGLE	3	40	FY11 Q4	FY12 Q3
SW	YES	Storm Water	SB	SINGLE	3	30	FY11 Q2	FY12 Q4
SW	YES	Storm Water	SB	SINGLE	3	30	FY13 Q2	FY14 Q1
SW	YES	Water Quality	SB	SINGLE	3	20	FY13 Q2	FY14 Q1

New Requirements for Air Contract



- **New task orders added to scope**

- **Source Testing**
- **Ambient Air testing**
- **Greenhouse Gas Estimates**
- **Mobile Source Estimates**
- **Cumulative Impacts (Air emissions for Environmental Assessments (EAs))**



Typical Compliance Task Orders



- Water**

- Sanitary Surveys*
- Management Action Plans
- Vulnerability Assessments



- Air**

- Ozone Depleting Substance Surveys
- Air Emission Inventories
- Title V Permit Applications

- Stormwater**

- Compliance with Chesapeake Bay Executive Order
- Stormwater Pollution Prevention Plans



- Radon**

- Asbestos**

*Meeting conditions for Certificate to Operate (CTO) Overseas

Typical Task Orders (continued)



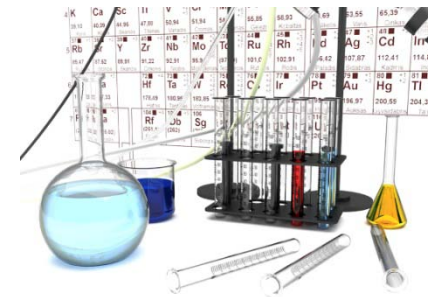
- **Solid and Hazardous Waste**
 - Hazardous Waste Management Plan (HWMP)
 - Integrated Solid Waste Management Plan (ISWMP)
- **Petroleum, Oil, and Lubricants (POL)**
 - Spill Prevention Control and Countermeasures (SPCC) Updates
 - Tightness testing: tanks and pipelines
- **Audits (Marine Corps Reserves)**
- **Other Environmental Liabilities (OEL) survey updates**
- **Wastewater Treatment Plant (WWTP) monitoring**



Unique Elements of Compliance Work



- **Quality Assurance Project Plans (QAPPs) for every scope with samples and analysis- checklist**
- **Audits (Marine Corps Reserves)**
 - **Focused EMS and Compliance Audits**
 - **Training for Marine Corps Reserve Center Staff**
 - **Compilation of Audit Results / Trend Analysis**
- **SPCC and other Spill Related Planning Documents**
 - **SPCC Plans, Integrated Contingency Plans (ICP), Facility Response Plans (FRPs), and other Regulatory Required Spill Plan Documents**
 - **Regional Navy On-Scene Commander (NOSC) Plans**



Unique Elements (continued)



Sanitary Surveys – New This Year!

•Certificate to Operate (CTO)

–Applies to Overseas Installations

- Classification of treatment and Distribution Systems
- Establish Standards for Training and Certification
- Develop Operator Testing Program

•Chesapeake Bay Executive Order

- Financial and technical assistance targeted to implement voluntary conservation practices in high-priority areas
- Stronger regulatory and accountability programs to control urban, suburban, and agricultural runoff



Unique Elements (continued)



Radon

–US Navy Radon Assessment and Mitigation Program Guidebook – July 2010

- Provide current radon policy for U.S. Navy personnel
- Provide guidance for the implementation of radon-resistant new construction, radon testing, radon mitigation, and radon system maintenance activities within nonresidential buildings



–Impact

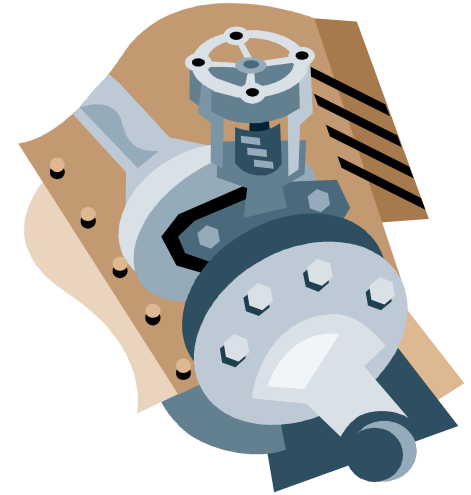
- Could result in new task orders for radon surveys and testing at naval installations

Unique Elements (continued)



- **Tightness Testing – Tanks and Pipelines**
 - **National Work Group for Leak Detection Evaluation**
 - **Third Party Certified Leak Testing**
 - **Leak Location**

- **OEL related work**
 - **Field Data Collection and Reporting**
 - **Trend Analysis and Reporting**



Summary



- **Workload expected to remain level or decline slightly in the foreseeable future:**
 - More in-house work
 - Many new unique requirements in the compliance program
 - Starting to see EV impact from alternative energy initiatives
- **Contracts will have a regional focus, however, they will include provisions for interoperability**
 - Contracts will be available to all NAVFAC components
- **Mix of small and large business almost exclusively fixed price**

Questions



NAVFAC Atlantic POCs:

Amy Cheatham: (757) 322-4391

Amy.cheatham@navy.mil

Barry Sass: (757) 322-4588

Barry.sass@navy.mil

James F. Harris: (757) 322-4776

James.f.harris@navy.mil

Environmental Restoration

Mr. Byron Brant, PE
Environmental Restoration Manager
NAVFAC Atlantic

June 2011

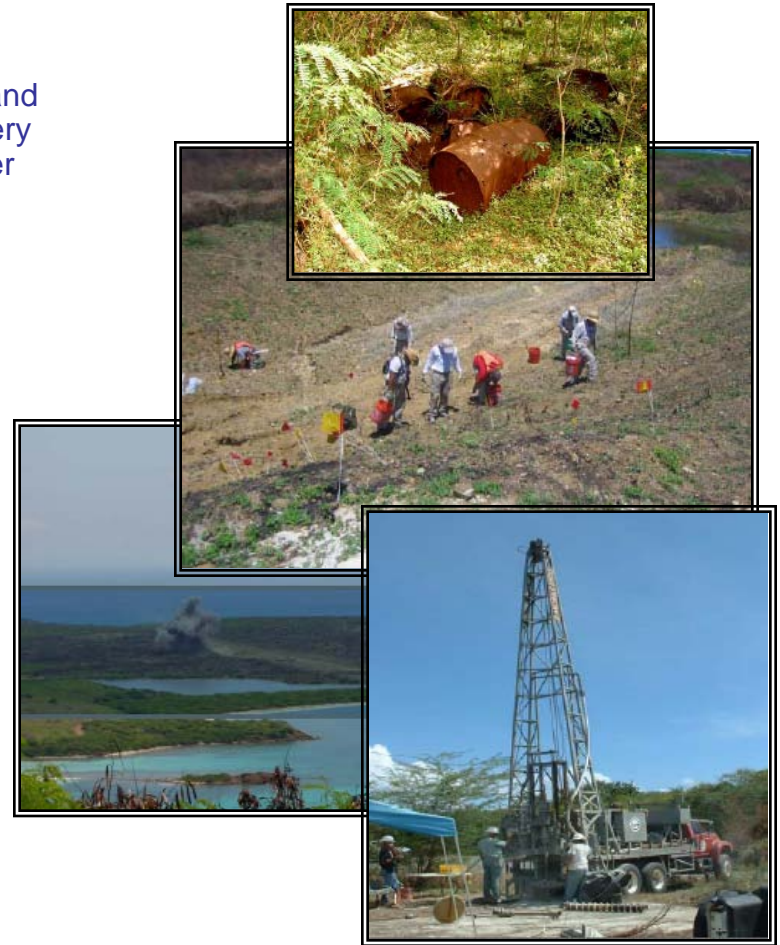
Environmental Restoration Program

- Program Goal - Reduce risk to human health & environment due to releases of hazardous substances - from legacy waste disposal, spills, & closed ranges/discarded munitions
 - Operational Bases - Emphasis on achieving Response Complete and Site Closeout of high relative risk sites
- Environmental Restoration Program (ERP) comprised of two programs:
 - Installation Restoration Program (IRP) - Releases of hazardous chemical contaminants to the environment
 - Munitions Response Program (MRP) - Unexploded Ordnance (UXO), discarded munitions & munitions constituents (closed ranges/misc. locations)
 - Funding specifically authorized by law for ERP
- Base Realignment & Closure (BRAC) - Fast-track environmental cleanup to facilitate reuse and support property transfer

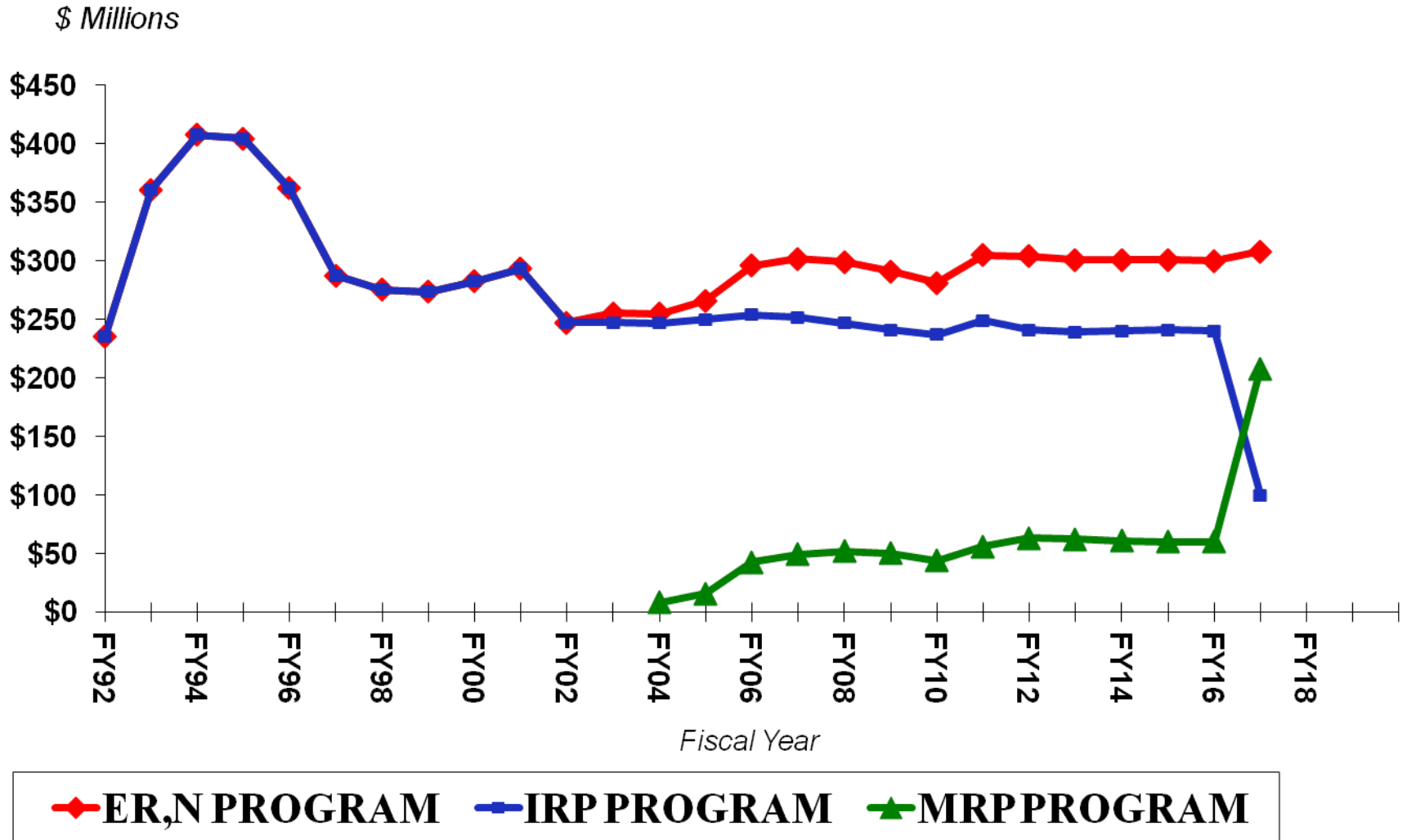


Environmental Restoration Product Line

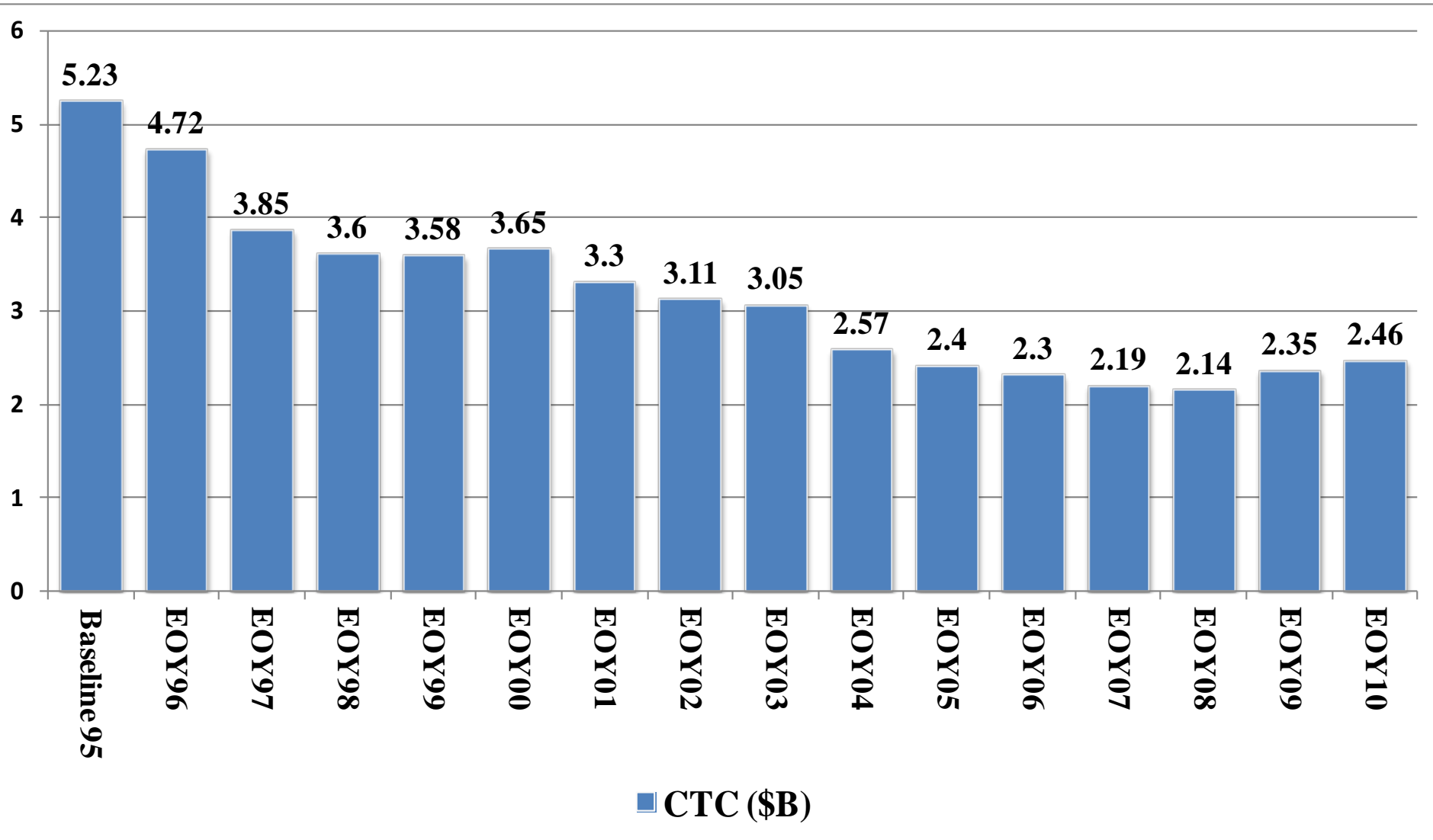
- Environmental Restoration
 - Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); Resource Conservation and Recovery Act (RCRA); Underground Storage Tank (UST); BRAC; other remediation
 - Study
 - Design
 - Construction
 - Operation and Management
 - Long Term Monitoring
 - Site Closeout
 - Optimization
- Other Environmental Efforts
 - Special studies and support
 - Support for Military Construction (MILCON)



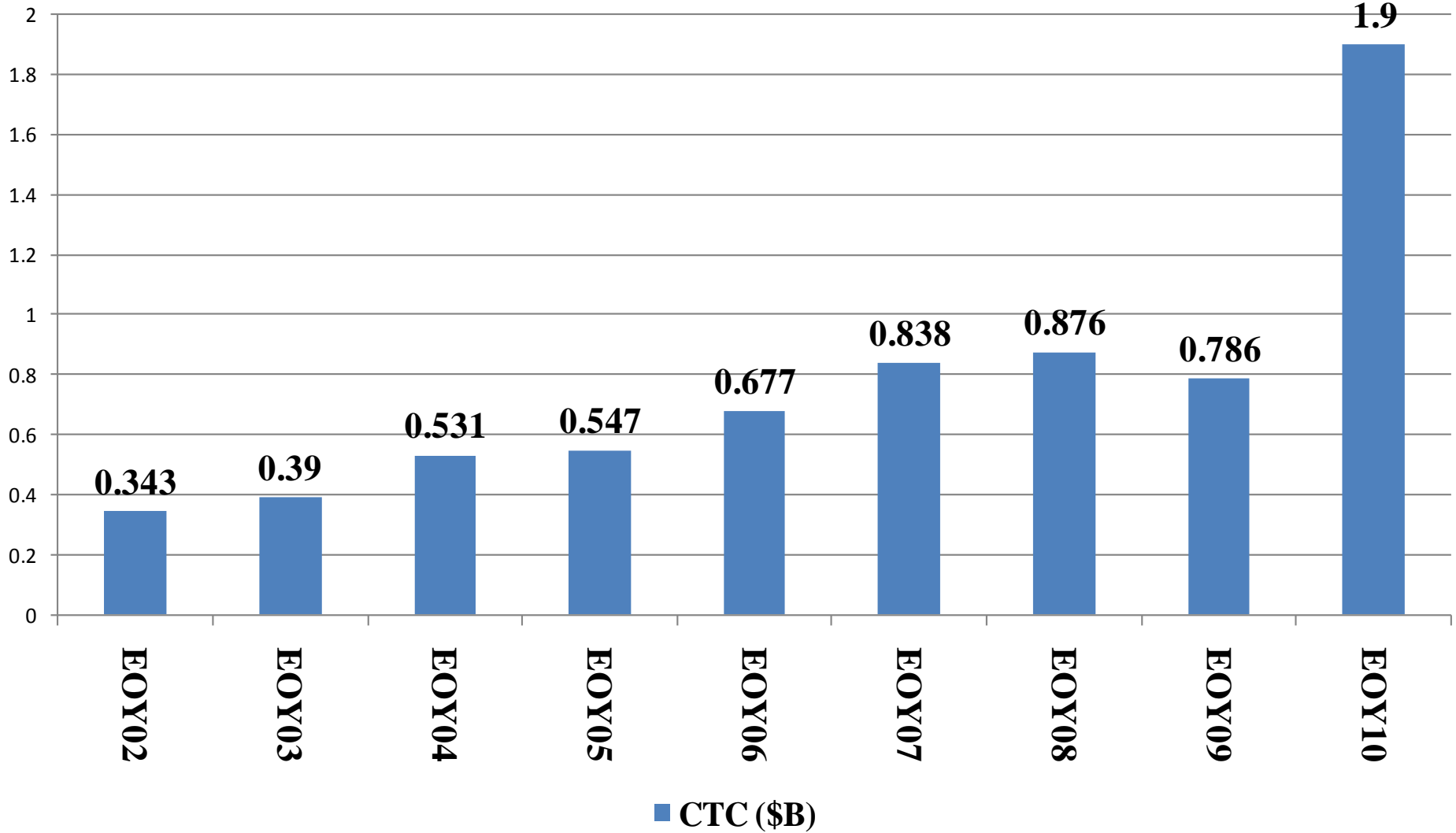
EOY FY10 ER,N Program Funding Profile



ER,N IRP Cost to Complete (End FY10)



ER,N MRP Cost to Complete (End FY10)



ER,N Program Status

NAVFAC-wide End of FY09



NAVY & Marine Corps DERP Program

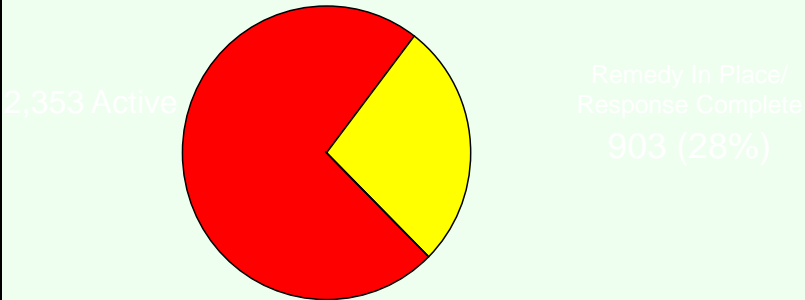
- **TOTAL NUMBER OF INSTALLATIONS** **206 (203)**
- **INSTALLATIONS WITH ONGOING CLEANUP** **93 (90)**
- **INSTALLATIONS WITH ALL SITES RIP/RC** **113 (113)**
- **TOTAL NUMBER OF SITES** **4,271 (4,059)**

NAVFAC-wide ER,N Program IRP & MRP Site Count & Status



IRP

Baseline FY96: 3,256 Sites

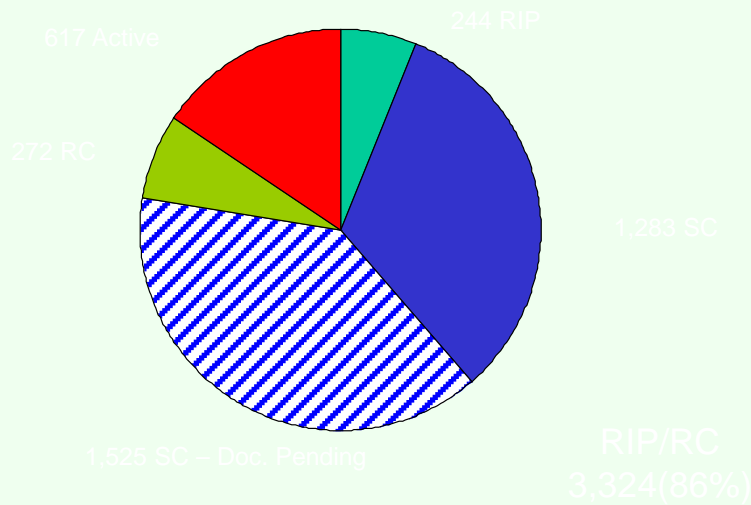


MRP

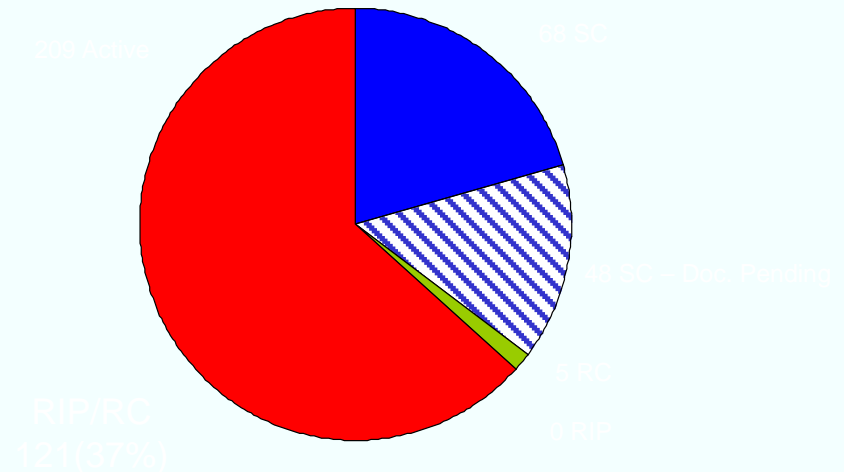
Baseline FY02: 196 Sites



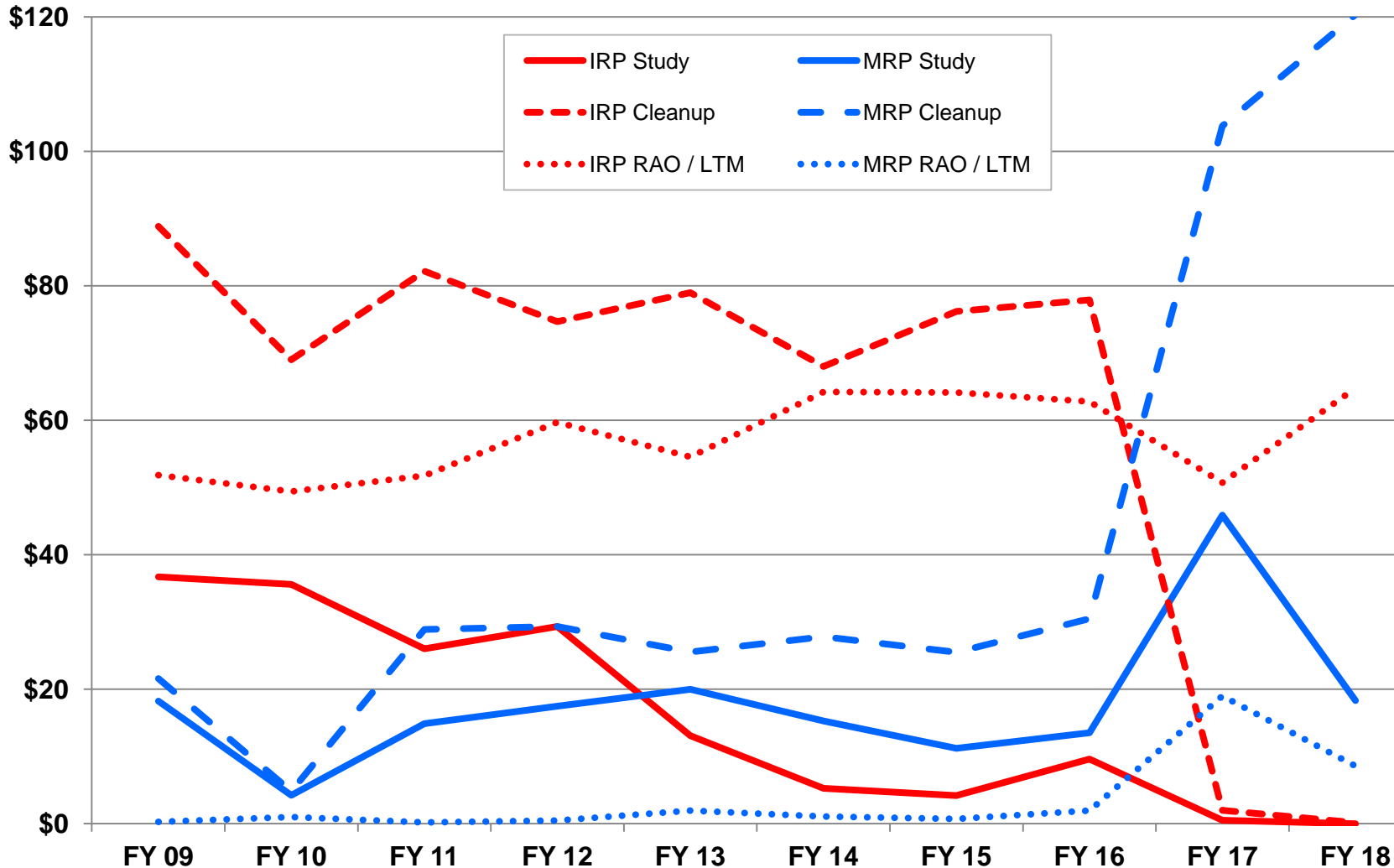
End FY10: 3,941 Sites



End FY10: 330 Sites



ER,N Funding Profile by Program & Phase NAVFAC Atlantic-wide



Centralize Remedial Action Contracts (RACs), Comprehensive Long-Term Environmental Action Navy (CLEANs), and other Larger Contracts

- Promotes common business practices, tracking of reportable objectives & cost effective approaches

Centralize Other Contracts at Echelon IV Commands

- Provides for flexible and targeted contracts

Continue use of:

- Fixed Price Contracts
- Environmental Multiple Award Contracts (EMACs)
- Small Businesses (>40% for ER,N & BRAC)
- Performance-based Contracting
 - This mechanism has proved to be effective in environmental work
- Basic Ordering Agreements

- Project Management
- Risk Assessment
- Emerging Contaminants
- Munitions Response
- Remediation Technology
- Innovative Technology Development and Transfer
- Vapor Intrusion
- Sustainability
- Natural Resource Trustee Issues
- Land Use Controls
- Geographic Information System (GIS)
- Records Management
- Optimization
- Construction
- Design
- Wetlands
- Sediments
- Radiological Contamination
- Community Relations
- Environmental Statistics
- Bioremediation
- Monitored Natural Attenuation
- Regulatory Negotiation
- Overseas Restoration



Proposed Environmental Restoration Contracts



FEC	A/E? (YES/NO)	CONTRACT TITLE	CP or FP	SB or UB	SINGLE or MAC	DURATI ON	TOTAL CAPACITY \$M	FEDBIZ OPS	AWARD DATE
LANT	YES	CLEAN	CP	UB	SINGLE	5	200	FY10 Q3	FY11 Q2
LANT	YES	CLEAN	CP	UB	SINGLE	5	170	FY10 Q3	FY11 Q2
LANT	NO	RAC	CP	UB	SINGLE	5	100	FY10 Q4	FY11 Q3
LANT	NO	RAC	CP	SB	SINGLE	5	100	FY10 Q4	FY11 Q4
LANT	NO	Range Sustainment/Worldwide Munitions	BOTH	SB	MAC	3	100	FY11 Q3	FY11 Q4
LANT	NO	Range Sustainment/Worldwide Munitions	BOTH	SB	MAC	3	250	FY14 Q1	FY14 Q4
ML	YES	Restoration (RAO-LTM-Services) NC IPT	FP	SB	SINGLE	3	4	FY11 Q1	FY11 Q3
ML	YES	Restoration (RAO-LTM-Services) NC IPT	FP	SB	SINGLE	3	4	FY13 Q1	FY13 Q3
ML	YES	Restoration (RAO-LTM-Services) NC IPT	FP	SB	SINGLE	3	3.5	FY10 Q2	FY11 Q1
ML	YES	Restoration (RAO-LTM -Construction)	FP	SB	MAC	3	65	FY10 Q3	FY11 Q2
ML	YES	Restoration (RAO-LTM-Services)	FP	SB	MAC	3	30	FY10 Q4	FY11 Q2
ML	YES	Restoration (RAO-LTM-Services) NC IPT	FP	SB	SINGLE	3	4	FY12 Q1	FY12 Q4
ML	YES	Restoration (Range clearance, UXO) NC IPT	FP	SB	SINGLE	3	4	FY12 Q3	FY13 Q1
ML	YES	Restoration (RAO-LTM-Services) NC IPT	FP	SB	SINGLE	3	4	FY13 Q1	FY13 Q4
NW	NO	Adak Munitions OUB-2 Clearance	FP	UB	SINGLE	3	50	FY12 Q2	FY12 Q4
NW	NO	O&M LTM Environmental Services	FP	SB	SINGLE	3	30	FY13 Q4	FY14 Q2
NW	YES	AES - Architect & Engineering Services EV	FP	UB	SINGLE	3	45	FY14 Q1	FY14 Q3

Note: Proposed contract acquisitions are under development and subject to change. Information is provided for planning purposes only

Proposed Environmental Restoration Contracts



FEC	A/E? (YES/NO)	CONTRACT TITLE	CP or FP	SB or UB	SINGLE or MAC	DURATION	TOTAL CAPACITY \$M	FEDBIZ OPS	AWARD DATE
SE	NO	Restoration Reg 4 (FL only)	FP	SB	MAC	3	30	FY10 Q2	FY11 Q1
SE	NO	ETS- Restoration Gulf Coast	FP	SB	SINGLE	3	3.5	N/A	FY11 Q2
SE	NO	ETS- Restoration Atlantic Coast	FP	SB	SINGLE	3	3.5	N/A	FY11 Q2
SE	YES	HW/OEL/Range	FP	SB	SINGLE	3	5	FY11 Q1	FY11 Q3
SE	NO	Restoration Reg 4 (outside FL)	FP	SB	MAC	3	30	FY11 Q1	FY11 Q4
SE	NO	Restoration Reg 6	FP	SB	MAC	3	30	FY11 Q3	FY12 Q2
WASH	No	EV Restoration	FP	SB	SINGLE	3	3.0	FY12 Q2	FY13 Q2
SW	YES	CERCLA/RCRA	FP	SB	SINGLE	5	50	FY10 Q1	FY11 Q1
SW	NO	Restoration SDVOSB	FP	SB	MAC	5	50	FY10 Q1	FY11 Q1
SW	NO	Restoration EMAC III	FP	UB	MAC	5	250	FY10 Q3	FY11 Q2
SW	NO	Admin Record	FP	SB	SINGLE	1	3.5	FY11 Q1	FY11 Q4
SW	NO	Restoration (NoCal FRAC)	FP	SB	SINGLE	3	3.5	FY11 Q3	FY12 Q2
SW	NO	Restoration (SoCal FRAC)	FP	SB	SINGLE	3	3.5	FY11 Q3	FY12 Q2
SW	NO	Restoration 8a FRAC	FP	SB	SINGLE	3	3.5	FY11 Q2	FY12 Q1
SW	NO	Restoration	FP	SB	MAC	3	100	FY11 Q3	FY12 Q2
SW	NO	RAC VI	CP	UB	SINGLE	5	100	FY11 Q2	FY12 Q4
SW	NO	RAC	CP	SB	SINGLE	5	100	FY11 Q2	FY12 Q4
SW	NO	Restoration	FP	SB	MAC	3	100	FY12 Q2	FY13 Q1
SW	NO	Operational Range Sustain	FP	SB	MAC	3	100	FY11 Q4	FY13 Q1
SW	Yes	CERCLA/RCRA (8a)	FP	SB	SINGLE	3	20	FY12 Q2	FY13 Q1
SW	NO	Restoration 8a	FP	SB	MAC	3	50	FY12 Q2	FY13 Q1
SW	NO	Restoration SDVOSB	FP	SB	MAC	3	50	FY13 Q1	FY13 Q4
SW	NO	CERCLA/RCRA	FP	SB	SINGLE	3	50	FY14 Q1	FY14 Q4

Note: Proposed contract acquisitions are under development and subject to change. Information is provided for planning purposes only

Questions?