The Navy’s Environmental Restoration Program in the Southwest

Society of American Military Engineers
Orange County Post

April 2017

Derral Van Winkle, PG
Environmental Remediation PLL
NAVFAC Southwest
NAVFAC SW Leadership and Management

• Commanding Officer -- CAPT J.J. ADAMETZ
  - Executive Officer -- CAPT T.C Liberatore
  - Business Director -- Ron Plaseied
  - Operations Officer -- CAPT T.J. DeWitt

• Environmental BLL / N45 Shore EV Program Manager – KATHY STEWART
  - EV1 Env. Compliance PLL -- Kathie Beverly
  - EV2 Env. Planning and Conservation PLL -- Lisa Talcott
  - EV3 Env. Restoration PLL -- Derral VanWinkle
  - EV4 Env. Resources and Assessment PLL -- Brian Gordon

Notes:
BLL – Business Line Leader
PLL – Product Line Leader
Environmental Areas of Responsibility

Environmental Quality Programs

- Environmental Compliance & Services
- Environmental Planning
- Environmental Assessments & Special Programs
- Natural and Cultural Resources including Marine Biology

Environmental Restoration Program

- Chemical, radiological, and munitions cleanup
EV1 - Environmental Compliance and Services

• Compliance
  • Clean Air Act
  • Clean Water Act - NPDES
  • Safe Drinking Water Act

• Oil and Hazardous Substance Management
  • Chemical and oil spill response and cleanup
  • Hazardous and Industrial waste handling, transportation, storage and disposal
  • Lead paint, PCB and asbestos abatement
  • Oily waste pickup and recycling/disposal

• Environmental Management Systems

• Laboratory Services

• Non-hazardous waste (FKA sustainable solid waste)

• Technology Support
  • NESDI
  • ESTCP
  • SERDP
EV2 – Environmental Planning and Conservation

- Planning-NEPA determination and documentation
  - CATEX
  - EA
  - EIS

- Natural Resources
  - Ag resources
  - INRMPs
  - Natural and marine resources support—consultations, delineations, surveys and inventories
  - Scientific dive services
  - Timber sales

- Cultural Resources
  - Cultural resource support—consultations, delineations, surveys and inventories
  - ICRMPs
• Regulatory Compliance
  • CERCLA
  • RCRA
  • Applicable state regulations

• ER, N/BRAC

• Program/Project Management
  • IRP and MRP
  • Policy and guidance development
  • Execution
  • Community relations and regulatory support
  • Site investigation and cleanup

• Program/Project Management, cont.
  • LUC development, management and tracking
  • Clean-up technologies
  • Environmental support for real estate
  • Review of construction/maintenance projects
  • Long term monitoring/management
  • OCONUS investigation/cleanup
  • Technical support—risk assessment, geology, chemistry, etc.
EV4 – Environmental Resources and Assessment

• Budget development
• Resource management
• Community management
• EMS management and consultation
• Metrics development and assessment
• Operational Range Sustainment
• Resource Allocation Plan support
• Environmental Quality and Environmental Restoration program analyses
Recent Environmental and Sustainability Awards

CNO-SECNAV-SECDEF Environmental Awards
• 2016 – 2 Installation awards (NBPL and NAS Fallon) and 3 team awards
• 2015 – 1 Installation award at NAS Fallon and 2 team awards
• 2014 – 3 Installation awards (NBSD, NSA Monterey, and BRAC) and 2 team awards

U.S. General Services Administration
• 2015 - Achievement Award – Real Property Best Practices & Innovation

San Diego County & Industrial Environmental Association
• 2015 – Sustainability Innovation Award
• 2014 – Sustainable Program Award

American Academy of Environmental Engineers and Scientists
• 2014 & 2016 - Excellence in Environmental Engineering and Science Award (Honor & Grand Prize)

Harvard University, Kennedy Ash Center for Democratic Governance & Innovation
• 2015 - Innovations in American Government Award
ER,N Controls – EOY FY16

Data from MDY FY17 Budget Guidance
Overall CTC $934 M

Cost to Complete by IRP and MRP

TOTAL IRP $523,699,890 56%
TOTAL MRP $410,303,799 44%

Cost to Complete by IRP and MRP

NAVY IRP $348,940,301
USMC IRP $174,759,589
NAVY MRP $350,567,507
USMC MRP $59,736,292

Data from NORM Living Budget 4/2017
Cost to Complete by Installation

- NAVBASE SAN DIEGO
- CHINA LAKE CA NAWCWPNSDIV
- NAVBASE CORONADO
- CAMP PENDLETON CA MCB
- BARSTOW CA MCLB
- MIRAMAR CA MCAS
- SEAL BEACH CA WPNSUPFAC
- YUMA AZ MCAS
- FALLON NV NAS
- LEMOORE CA NAS
- TWENTYNINE PALMS CA MAGCC
- EL CENTRO CA NAF
- FALLBROOK CA NWS SBCH DET
- BRIDGEPORT CA MWTC
- NAS PT MUGU CA NAVAIRWARC
- IMPERIAL BEACH CA NAVALF
- SAN PEDRO DFSC
- PORT HUENEME CA NFELC
- YUMA AZ CHOCOLATE MNT AGR
- SPAWARSYSCEPN PACIFIC SD
- CORONADO CA NAVPHIBASE
- SAN DIEGO CA NISE-WEST
- DIXON CA NAVRADFAC-T
- SAN DIEGO CA AUXLNDFLD
- AZUSA CA NCCOSC MORRIS DA
- LOS ANGELES CA NMCRC

IRP CTC ($M)  
MRP CTC ($M)
Snapshot of the SW ER,N Program

**EOY FY2016**

<table>
<thead>
<tr>
<th>Phase</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site Closure + Response Complete</strong> no additional remediation; (ex of sites RC but not SC - landfills/UXO)</td>
<td>87%</td>
</tr>
<tr>
<td><strong>Remedy-in-Place</strong> and sustained operation achieved while <strong>Remedial Action Objective</strong> yet to be met</td>
<td>3%</td>
</tr>
<tr>
<td><strong>Active</strong> sites are those in the investigation/study phase including decision document and remedial design.</td>
<td>10%</td>
</tr>
</tbody>
</table>

**IRP**

- **PRE-REMEDY SITES** 79
  - 7%
- **RESPONSE COMPLETE**
  - **DOC PENDING** 25 sites
  - 2%
- **REMEDY IN PLACE AND OPERATING** 18 sites
  - 2%
- **SITE CLOSEOUT** 596 sites
  - 51%
- **RESPONSE COMPLETE** 352 sites
  - 28%
- **TOTAL SITES** 1059

**MRP**

- **SITE CLOSEOUT** 16 sites
  - 23%
- **RESPONSE COMPLETE**
  - **PRE-REMEDY SITES** 41
  - 62%
- **TOTAL SITES** 69

**1059 Total Sites**

**69 Total Sites**
### Office Secretary of Defense Planning Guidance Goals

#### DPG Goals:
- 90% Sites RC by FY18 (yellow line)
- 95% Sites RC by FY21 (red line)

RC metric tied to RC document with Agency concurrence

<table>
<thead>
<tr>
<th>Total SW Sites</th>
<th>Sites Remaining to reach RC</th>
<th>EOY FY 18 % Projection</th>
<th>FY to reach 90%</th>
<th>EOY FY 21 % Projection</th>
<th>FY to reach 95%</th>
<th>Sites Remaining after EOY FY 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>1128</td>
<td>151</td>
<td>91%</td>
<td>2018</td>
<td>95%</td>
<td>2021</td>
<td>62</td>
</tr>
</tbody>
</table>

Cumulative average (MRP)  
Cumulative average (IRP)  
90% goal  
95% goal
Challenge Areas – Environmental Restoration

• Emerging Contaminants
  – Perfluorinated Compounds (PFC’s)
    • PFOS/PFOA
  – Vapor Intrusion
  – Asbestos
  – Lead
  – 1,4-Dioxane

• O&M / LTM
  – Enhanced Optimization Review

• Munitions Program
  – Underwater Evaluations
  – Risk Assessment

• Sediment Cleanup

• Radiation Evaluation/Cleanup
  – BRAC
  – ER,N – Historical Radiological Assessments (HRAs)
What Are Perfluorinated Compounds PFCs?

- Non-native fluorinated surfactants
- Hydrophobic/oleophilic “tail”
- Hydrophilic group on end of chain
- Hydrogen in carbon chain is replaced by fluorine
- Range from 4 to 12 carbons
- Polyfluorooctanoic acid (PFOA)/perfluorooctane sulfonate (PFOS)

![Image of PFOS molecule]
Testing aqueous film forming foam (AFFF) fire fighting systems inside a hanger
Finalized/Issued: January 29, 2015

Objective: Assist RPMs with issues related to PFCs (PFAS) at ER sites to promote a consistent approach across Navy installations

Issues Addressed:
- Funding responsibilities: BRAC, ERN*
- Investigation and sampling methodology
- Remediation considerations

Focus on Drinking Water (DW)
- *Past release as substantiated by the CSM

Document being updated for 2017 release
Phase 2 – Site/AOC Validation, Prioritization and Gap Analysis

- Managers and RFMs to validate sites/AOCs progressing from Phase 1
- Prioritize sites/AOCs based on property ownership status, response status, and distance to drinking water sources
- CNIC and USMC to review validated sites/AOC lists per installation with potential release mechanisms and identify additional sites/AOCs for prioritization
- May include limited sampling of groundwater.

Status/Schedule:

- Block 6: Initial list is due 15 June 2016 to DASME
- Block 7: A continuous process; initial validated AOCs to be added to the list by 22 July 2016 with additional sites added as discovered.
- Blocks 11, 13, and 14: Potential sites/AOCs list due to DASME:
  - Batch 1: 01 August 2016
  - Batch 2: 15 August 2016
- Additional AOCs from CNIC & USMC will be prioritized as they are identified.

Business Rules:

- Block 5: FEC RPMs to confirm/refute PFCs sites/AOCs based on available data on site history and site operations. RPM is to provide the supporting documentation of "negative" response. For example, a "burn pit" site/AOC for debris disposal and not associated with fire-fighting training can be eliminated. Because some of the required information pertains to on-base and off-base drinking water sources, the RPM needs to coordinate with Environmental Compliance, Public Works, and local municipalities.
- Block 7: Additional areas that have the potential for PFC releases will be identified by facility operations personnel (i.e., hanger, crash site, storage area). Coordinate and work closely with RPMs to identify and validate new potential AOCs.
- Block 8: Could be identified from NORM, NIRS, Delayed Disposal Report, Military Fire & Crash Training Sites Table, BRACMIS, Flash Card, real estate, & other databases.
- Block 10: DWS (Navy, public, and private wells) located within 1 mile downgradient of sites/AOCs.
- Blocks 12: DWS (Navy, public, and private wells) are or may be located within 1-3 miles downgradient of sites/AOCs.
- Blocks 9, 11, 13, and 14: Refer to rules under Phase 3.

5/23/2016
# Environmental Contracts

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>FY16 Actual Execution</th>
<th>FY17 Planned Execution</th>
<th>Contract Capacity (active)</th>
<th>Capacity (procurements underway)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER, N and BRAC</td>
<td>$153 M</td>
<td>$156 M</td>
<td>$320 M</td>
<td>$650 M</td>
</tr>
<tr>
<td>Compliance/ORC/Services</td>
<td>$50 M</td>
<td>$90M</td>
<td>$442 M</td>
<td>$30 M</td>
</tr>
<tr>
<td>NEPA, Natural &amp; Cultural Resources</td>
<td>$38 M</td>
<td></td>
<td>$261 M</td>
<td>$70 M</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>$241 M</strong></td>
<td><strong>$246 M</strong></td>
<td><strong>$1 B</strong></td>
<td><strong>$750 M</strong></td>
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</tbody>
</table>

* ORC – operational range clearance

** Data contained herein is based on the best available information and is subject to change.
<table>
<thead>
<tr>
<th>Title</th>
<th>Scope</th>
<th>Type</th>
<th>Duration</th>
<th>Capacity</th>
<th>RFP</th>
<th>Est. Award Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV Lab Services</td>
<td>Services</td>
<td>FP, UR, Single</td>
<td>5 yr</td>
<td>$30 M</td>
<td>Issued</td>
<td>Q3 FY17</td>
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<tr>
<td>CERCLA/RCRA</td>
<td>Restoration</td>
<td>FP, SB, Single</td>
<td>5 yr</td>
<td>$75 M</td>
<td>Issued</td>
<td>Q4 2017</td>
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<tr>
<td>EMAC III</td>
<td>Restoration</td>
<td>FP, MAC</td>
<td>5 yr</td>
<td>$240 M</td>
<td>Industry Day 5/3</td>
<td>Q1 FY18</td>
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<tr>
<td>CR MASC</td>
<td>Cultural Res</td>
<td>MAC</td>
<td>5 yr</td>
<td>$30 M</td>
<td>Q1 FY18</td>
<td>Q1 FY18</td>
</tr>
<tr>
<td>Admin Record</td>
<td>Restoration</td>
<td>FP, Single</td>
<td>5 yr</td>
<td>$4 M</td>
<td>Q3 FY17</td>
<td>Q1 FY18</td>
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<tr>
<td>8(a) EMAC</td>
<td>Restoration</td>
<td>FP, SB, MAC</td>
<td>5 yr</td>
<td>$95 M</td>
<td>Q4 FY17</td>
<td>Q1 FY18</td>
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<tr>
<td>MARAC</td>
<td>Restoration</td>
<td>CP, MAC</td>
<td>5 yr</td>
<td>$240 M</td>
<td>Q4 FY17</td>
<td>Q4 FY18</td>
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</table>
## NAVFAC SW Environmental Planned Procurements

<table>
<thead>
<tr>
<th>Title</th>
<th>Scope</th>
<th>Type</th>
<th>Duration</th>
<th>Capacity</th>
<th>RFP Date</th>
<th>Est. Award Date</th>
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</thead>
<tbody>
<tr>
<td>NR MAC</td>
<td>Natural Resources</td>
<td>FP, MAC</td>
<td>5 yr</td>
<td>$40 M</td>
<td>TBD</td>
<td>TBD</td>
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</tbody>
</table>

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Process for Requesting Visit to NAVFAC SW

• NAVFAC SW has specific protocol and a process for contractors to follow when submitting visit requests.
  – Protocol was developed to
    • 1) Provide industry representatives with a fair and equal opportunity to contact the command
    • 2) Ensure minimal disruption to the Navy mission.

• The Contractor Visit Protocol can be found in the NAVFAC SW Public Web Site at the following link:
Process for Requesting Visit to NAVFAC SW

• To request a contractor call/visit, personal visit, or social call, send an e-mail to the command’s Contractor Visit Coordinator at NAVFAC_SW_Contractor_Visit_Coordinator@navy.mil with the following information:
  – A Biographies for all personnel who will be visiting NAVFAC Southwest
  – The individuals you would like to meet with at NAVFAC Southwest.
  – Specific dates and times you are available.
  – Identify whether you need base access (N/A for 1220 Pacific Hwy Complex)
  – list of specific topics you wish to discuss.

• After this information is received, we will then contact the contractor to coordinate details of the visit. Please allow at least one week to coordinate visits.

• Considerations in scheduling a meeting will be:
  – If the contractor is involved in an ongoing procurement/solicitation (or any stage of an active acquisition).
  – Discussion of specific procurements or project information, whether pending or anticipated.
  – Discussion of potential acquisition vehicles, source selection methodologies, etc.
  – If the contractor is involved in a dispute with NAVFAC or another entity of the US.
  – If the contractor requests a visit more than once in a six month period.
More Information

• Projected NAVFAC Environmental Contract Opportunities
  www.navfac.navy.mil

• Small Business Program Office
  https://smallbusiness.navfac.navy.mil

• Federal Business Opportunities
  www.fedbizops.gov

• Navy Electronic Commerce Online (NECO)
  https://www.neco.mil
Any Questions?