2022 BLACK HILLS DEFENSE & INDUSTRY SYMPOSIUM:

LEADING THE NATIONAL DEFENSE DISCUSSION

MARCH 14-16, 2022

RAPID CITY, SD

CO-HOSTED BY:

ELEVATE RAPID CITY

SOUTH DAKOTA MINES
An engineering, science and technology university

WILLIAM HARLON

Mr. Harlon has 20 years of experience working on several missions within the US Army Corps of Engineers. His past experience includes forest management and cost reimbursable contract oversight in the Wilmington District, real estate management in the Savannah District, a project manager and COR for environmental compliance and sustainability programs in the Omaha District, a physical scientist with the Huntsville Center's Environmental and Munitions Center of Expertise, and a Section Chief in the Omaha District's ER Branch. Mr. Harlon currently serves as the Environmental Remediation Branch Chief with the primary responsibility to oversee a staff of 40 and a contracting toolkit of over $1B. The ER Branch is currently executing an annual program of $250M+ and provides ERS, ECS, and A&AS services to DOD and non-DOD stakeholders. Prior accomplishments include serving as the project manager for the Remedial Action Cost Engineering and Requirements (RACER®) software contract, serving as the PM / COR for the remedial cleanup of the DAPL protest camps, serving as the NWD MSC for the rewrite of ER 200-2-3, and Mr. Harlon has been deployed to several natural disasters. Outside of work, Mr. Harlon is happily married to his wife (Melissa) and has 3 children (Daisy, Lauretta, & Liam). The Harlon family enjoys being active in their local church, hunting / fishing together, and tagging along to the many extracurricular sports activities with their children.

USACE - OMAHA DISTRICT PROGRAM

William Harlon
Chief, ER Branch
PPPMD, Omaha District

Black Hills Defense & Symposium
Rapid City, SD
March 14, 2022

"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."

US Army Corps of Engineers ®

U.S.ARMY

OMAHA DISTRICT BUSINESS LINES

CIVIL WORKS ($500M)
- – Flood Risk Reduction, Navigation, Hydropower
- – Water Supply, Water Quality, Recreation, Irrigation
- – Fish & Wildlife, Regulatory, Ecosystem Restoration
- – Flood Control and Coastal Emergencies (FCCE)

MILITARY CONSTRUCTION ($700M)
- – Design & Construction Management
- – 10 Active Air Force Installations
- – 1 Air Force Reserve Installation
- – 1 Army Installation & 1 Reserve
- – 3 Army Ammunition Plants
- – 2 Major Reserve Commands

ENVIRONMENTAL REMEDIATION ($250M)
- – Environmental Remediation (IRP)
- – Environmental Compliance (EQ)
- – Formerly Used Defense Sites (FUDS)
- – Military Munitions Response Program (MMRP)
- – Advisory and Assistance Services (A&AS)

SPECIAL PROJECTS (IIS) ($450M)
- – DLA Fuels Program & SRM CONUS/OCONUS
- – MILCON SRM, EPA
- – Rapid Response TCX
- – Protective Design, Fuels POL, & Transportation Systems MCX

Includes projects outside NWO boundaries and reimbursable stakeholders

EXECUTIVE SUMMARY

FY21 Review:

$216.7M Program (329 actions)

FY22 Outlook:

- Planning $250M FY22 Program (162 actions)
  - FUDS- $45M (GREEN 1Q Metric)
  - Air Force - $100M baseline spend plan + $40M PFAS Plus Ups
  - Army / BRAC - $40M
  - EPA IIS - $25M

Staff Overview:

- 38 Staff in the ER Branch (3 Chiefs, 3 Admin, 1 AFCEC NPAM, 1 Central Analyst, 30 PMs).
- PMs / PDT comprised of Civil (PE) / Mechanical / Environmental Engineers, PG, Chemists, Physical Scientists, PMP.
- Increasing hiring actions to meet increased workload.
- PM Forward Opportunities (term or permanent).

Innovative Capabilities:

- AFCEC NPAM and Central Analyst provide vital business oversight support.
- Co-located with HNC EM CX in Omaha.
- Fence to Fence / Optimized Remediation Contract / PFAS Mitigation.
- Military Munitions Design Center (MMDC)- Omaha District is one of four USACE designated MMDC's and has a primary purpose to support military munitions response actions for unexploded ordnance and discarded military munitions.
- ER Branch in CT AND a separate Acquisition Support Team (AST) consisting of PM, CS, KO.

ER BRANCH ORG CHART

US Army Corps of Engineers, Omaha District
Environmental Remediation Branch
1616 Capitol Avenue, Omaha, NE 68102-4901
Zorinsky Bldg, 6th Floor
7-Mar-2022

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***Primary Program POC**

NAICS

- Environmental Consulting Services (541620)
- Environmental Remediation Services (562910)
- All Other Professional, Scientific, and Technical Services (541990)

ACQUISITION APPROACH

- MATOC
- SATOC
- Direct Awards
- Multi Environmental Governmental Acquisition (MEGA)
(Follow on discussions with USACE)
- C-Type
- OASIS Pool 1 (ECS / A&AS)

NWO ER BRANCH CONTRACT TOOLBOX

Current ER Contract Toolbox (subject to change):

- Multiple 8(a) SB SATOCs (Specialized Experience)
- $60M SDVOSB ERS MMRP MATOC
- $200M SB ERS MMRP MATOC
- $60M 8(a) ERS MATOC
- $60M 8(a) ECS MATOC
- WOSB Analytical Lab Services
- $120M SB ERS MMRP MATOC
- $176.25M SB PRAC MATOC
- $240M UR ERS MEGA MATOC
- $49M SB ERS SATOC
- $200M UR ERS MMRP MATOC

Remaining Toolbox Capacity (subject to change):

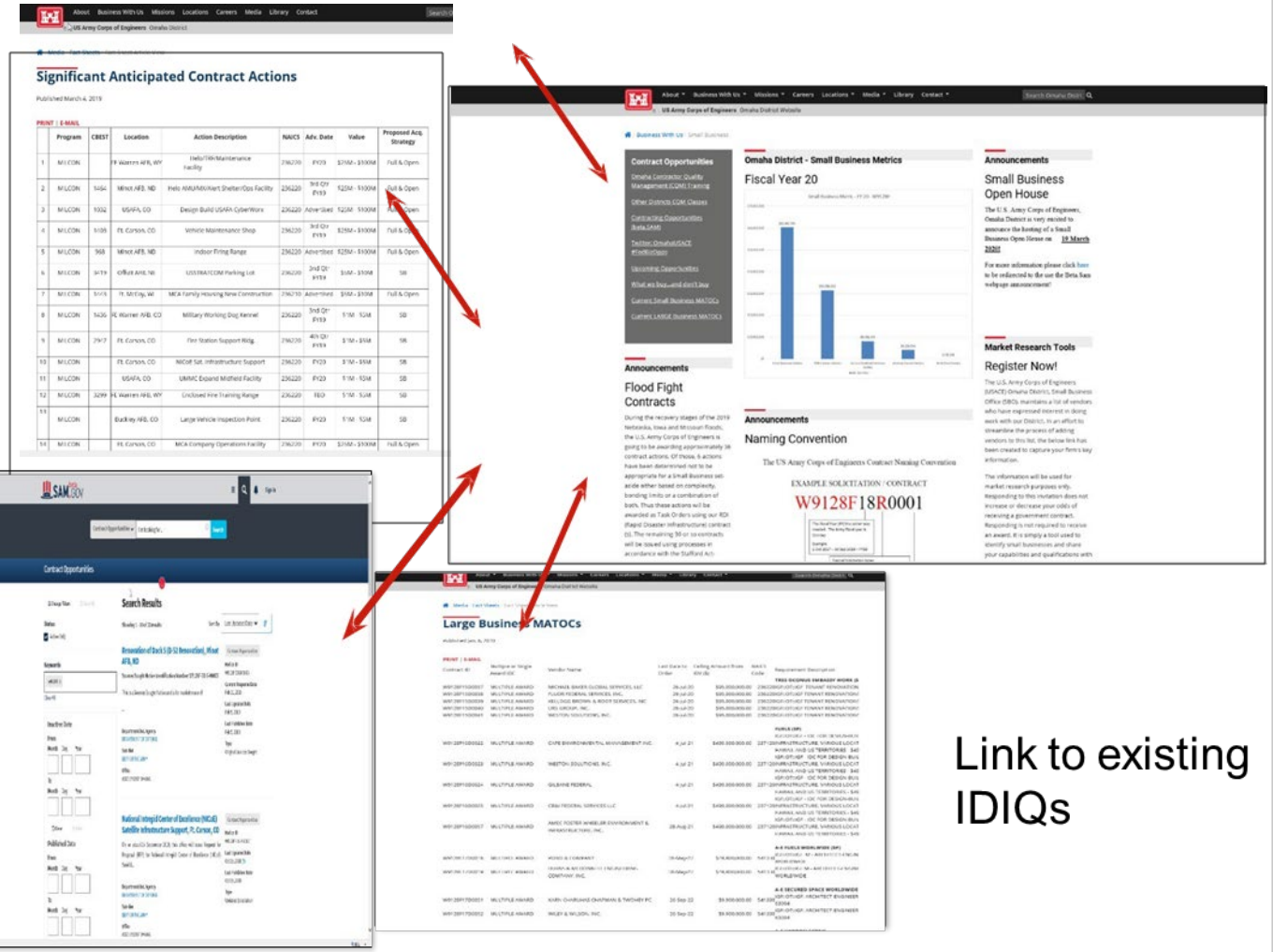
562910 Environmental Remediation Services- $912M
541620 Environmental Consulting Services- $18M + Unlimited
541990 A&AS- $7M + Unlimited

BUSINESS WITH OMAHA DISTRICT

http://www.nwo.usace.army.mil/Business-With-Us

Link to District Contracting Opportunity Forecast

- Provided for Information only
- Formal request for proposal and invitation for bids will be publicized on the beta.SAM.gov Website



Active Contracting Opportunities posted on SAM.gov

Search Code:

W9128F

(NWO DODAC)

Link to existing IDIQs

NWO ER BRANCH CONTRACT TOOLBOX

Five Year Plan (Upcoming Opportunities):

Project Title	Project Location	Anticipated Advertisement	Anticipated NAICS	Estimated Dollar Value	Acquisition Plan (Set-Aside)
ECS MEGA MATOC	NWD & Existing Customers	In Source Selection	541620	$60M	SB
ERS NON-MEGA SATOC	NWD & Existing Customers	In Source Selection	562910	$47M	8(a)
ECS NON-MEGA SATOC	NWD & Existing Customers	In Source Selection	541620	$20M	8(a)
ECS NON-MEGA SATOC	NWD & Existing Customers	In Source Selection	541620	$20M	8(a)
A&AS SATOC	NWD & Existing Customers	4QFY22	541990	$49M	8(a)
ECS & ERS NON-MEGA SATOCs	NWD & Existing Customers	FY21-FY24	541620 & 562910	Varies (Total is $249M)	Multiple Pools (SB, 8(a), WOSB, SDVOSB, HUBZ)
ERS NON-MEGA MATOCs	NWD & Existing Customers	TBD	562910	Varies, TBD	Multiple SB Pools TBD (SB, 8(a), WOSB, SDVOSB, HUBZone)

Future Acquisition Strategy / Plans (subject to change):

- $499M-$900M MATOC Suite (FY23-FY25)
- $5B EEAS (FY25-FY29)

Provided for Information only.
Formal request for proposal and invitation for bids will be publicized on the SAM.gov website.

CENWO PFAS CAPABILITIES

Investigations to Date
Preliminary Assessments:
•AF/Army BRAC
•Active/Reserve
•ANG/ARNG

Site Inspections
• AF/Army BRAC
•Active/Reserve
•ANG/ARNG

Remedial Investigations
•AF/ARMY BRAC
•Active/Reserve
•ANG/ARNG

Response Actions to Date
Bottled Water
Point-of-use filtration
Whole-house filtration
Municipal Water Supply Hookup
Municipal Water Treatment
New well drilling

Program Execution Summary (2015 to Present):
2015: ~$7.5M
2016: ~$10.2M
2017: ~$31.5M
2018: ~$53.6M
2019: ~$43.4M
2020: ~$25.7M
2021: ~$9M
2022: ~$30M projected

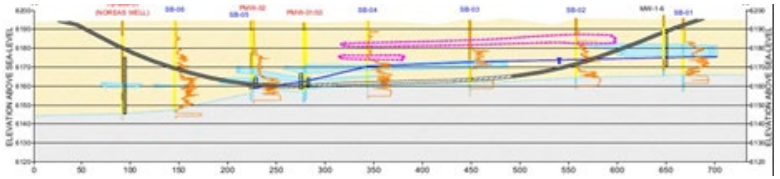
Acquisition Strategies:
SATOCs typically used for lower dollar value projects

MATOCs typically used for larger dollar value projects that require competition either via LPTA or Best Value

AF Contracting Support
Provide backup contracting role to AF 772 Enterprise Sourcing Squadron.

CENWO PFAS TREATABILITY STUDIES

Treatability Study (OTIE/Arcadis):
- Horizontal Reactive Media Treatment Well (HRX well®) for in-situ removal of PFAS in a high-velocity paleochannel.
    - FY22-23 – HRX well will be converted to use a sonolytic reactor for a SERDP/ESTCP project



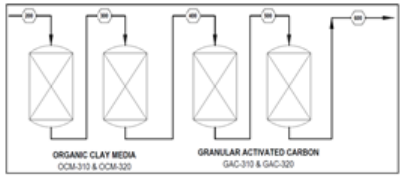
Treatability Study (OTIE/Arcadis):
- Flocculation of PFAS in ponded surface water and stabilizing PFAS in pond sediments to mitigate sediment-surface water interaction.

Treatability Study (OTIE/Arcadis):
- Stabilization of PFAS in soil to mitigate leaching to groundwater.

Example of in situ mixing using an excavator and conventional bucket/soil mixing attachment.

Treatability Study: (NOREAS)
- Pump-Treat-Reinject (PTR)
    - Evaluate plume capture in paleo channel and use of Organic Clay Media as primary treatment with GAC as second-stage

Treatability Study: (NOREAS)
- Permeable Reactive Barrier (PRB)
    - Evaluate PlumeStop® (liquid activate carbon [Regenesis]) as a reactive barrier



QUESTIONS??