

Architectural and Engineering (A/E) Contract for Multi-media Environmental Compliance Engineering Support



Contract No.: N62470-19-D-4015

Contract Type/Terms:

- Single award indefinite delivery-indefinite quantity for professional A/E services
- Fixed price
- \$75M max capacity
- Base year with 4 renewal 1-year options
- No annual capacity limits
- No task order size limits

Primary AOR: Contract can be used worldwide but the primary AOR is NDW, CNRMA, CNRSE, and CNR EURAFCENT

Award Date: 17 September 2019

Expiration Date: 16 September 2024

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The CH2M team can provide the full scope of your multi-media environmental compliance program, including:

- Petroleum Storage Tank (PST) and Assets Compliance
- Oil Spill Preparedness and Planning
- Air Quality and Clean Air Act (CAA) Compliance
- Safe Drinking Water Act (SDWA) Compliance
- Clean Water Act (CWA) Compliance (Stormwater)
- CWA (Wastewater and Industrial/Wastewater)
- Material and Waste Management
- Additional Services
 - Compliance and Investigation Sampling and Analysis Using Accredited Laboratories
 - Environmental Condition of Property Programs
 - Pesticide Management
 - Radon Assessment and Testing
 - Sustainability Solutions
 - Lead-Based Paint and Asbestos Mitigation and Management
 - Environmental Management System (EMS) Development and Support
 - Munitions Response and Radiological Studies
 - Development of Budget Submission Documents and DD Form 1391s
 - Conceptual and Complete Facility Design Services
 - Design-Bid-Build and Design-Build RFP Package Preparation
 - Post-Construction Award Services (PCAS)
 - Database Development and Management
 - Proposed Rule Impact Analysis
 - Final Government Standards Updates (FGS)
 - Pilot Studies
 - Audits, Surveys, and Inventories
 - Monitoring and Inspections
 - Production of Reports, Work Plans, and Safety Plans
 - Development of Specialized Environmental Compliance Training
 - Management and Cost Estimating for Other Environmental Liabilities (OELs)
 - Engineering Studies and Other Environmental Compliance Support for Base Realignment and Closure (BRAC)
 - Feasibility Studies

We cover the **large geography with local resources**, making us responsive with an understanding of the local conditions.

We include **small businesses on our team** to provide the localized reliable services you like to use; and we've worked with most of them for many years.

We provide an **experienced team**. We have current, relevant experience with all organizations in the primary AOR.

We are **easy to work with** and have delivered many projects to you. We meet schedule/budget, are responsive with local resources, listen to you, acknowledge and address our issues, and maintain a core program team.

We provide **high-quality engineering and sound scientific solutions** tailored to your base operations.

We bring strong technical capabilities across the environmental lifecycle that feed into compliance, including **PFAS/drinking water, POL and stormwater, wastewater, air quality, HW, and EPCRA**.

We have more than 34-year history working for NAVFAC, informing our approaches in a way that **adds value** where you most desire it.

We bring in-depth **understanding of the regulations** (federal, state, local, and Final Governing Standards) and have working relationships with the regulators combined with knowledge of Navy shore operations.



The CH2M team provides NAVFAC a world-class team of professional and small business specialty firms to help you meet your compliance program challenges ahead. Our goal is to provide you with the best value, outstanding performance, and technical solutions. We can do this with our:

- **Full Breadth of Recent Specialized Experience in Multi-media Environmental Compliance:** In the last 5 years, CH2M has delivered over 300 environmental compliance engineering projects to NAVFAC on eight different Indefinite Delivery Contracts, demonstrating that we have the specialized experience and command of industry's best practices to successfully deliver your multi-media projects.
- **Depth of Highly-Qualified Professionals Who Understand Delivery of Navy Compliance Projects:** Our team is highly-qualified and exhibits a high degree of experience with NAVFAC, demonstrating technical leadership, superb project management, and professional skills on many prior environmental compliance multi-media and media-specific programs. All of our key professionals have recently worked in the primary contract AOR and with NAVFAC in the last 5 years. Our technical subject specialists are recognized experts in their technical fields. The team possesses deep professional credentials and qualifications and is located near your activities.
- **Reliable Quality through Effective Program Management:** Our proposed program team members know how to execute and deliver multi-media environmental compliance projects with consistently high quality regardless of the location in the primary AOR or the number of concurrent projects.
- **Past Performance Indicative of Future Excellence:** CH2M has supported the NAVFAC environmental compliance business line since 1988. We use a fully-integrated quality control/delivery approach to provide you with top quality engineering solutions, plans and reports. All deliverables undergo our deliverables review process, which consists of four levels of review, not including author or subcontractor reviews. In just the last 5 years, we have successfully delivered close to 300 environmental compliance projects with solutions tailored to your installations and with strong CPARS ratings.
- **Located in Proximity to You, Providing Responsiveness and Readiness to Deliver:** CH2M has access to staff in more than 400 offices and in over 1,700 locations in 50 countries. Our team subcontractors also bring an additional 190 office locations. Many of our offices are located close to NAVFAC offices or to Navy, Marine Corps, and other DOD facilities potentially served under this Multi-media program.

Local Delivery + Global Reach Back

We know the full lifecycle of environmental projects, from compliance and studies through design, construction, operation, regulatory closure, and 5-year reviews. We also understand the Navy, your evolving issues, and your mission. This combination enables us to identify the most effective technical solutions to your compliance issues, allowing you to focus on maintaining, training, and equipping combat-ready Naval forces capable of winning wars, deterring aggression, and maintaining freedom of the seas.

PST and Assets Compliance

- PST inventories, notification forms, and management plans
- Certified tank inspections
- Integrity evaluations of petroleum pipelines
- Design of PST and fuel facility improvements
- Preparation and modification of Spill Prevention, Control, and Countermeasures (SPCC) Plans, and preparation of specifications to correct SPCC deficiencies
- Cost estimates for PST projects
- Installation of monitoring wells, soil and groundwater sampling/analysis
- Completion of site checks at suspected leaking PST sites
- Training for tank custodians
- Operations and inspections and maintenance of PSTs and supporting equipment including automated underground storage tank (UST) inventory control and tank/line leak detection systems



DLA MILCON Brochures for Camp Lemonnier, NAS Sigonella, and NSA Souda Bay

- Delivered critical fuel storage and delivery solutions to DLA: In depth system analysis to meet an expanding theater mission
- Services: Environmental Site Assessment, FGS Compliance Evaluation, Engineering Repair Alternatives Analysis, Concept Designs, Investment / Repair Recommendations, and Project Documentation Development
 - NAS Sigonella: pipe and tank integrity, cathodic protection, condition assessment, monitoring wells, site characterizations, cost estimates, and repairs recommendations to manage fuel contamination and system readiness
 - NSA Souda Bay: tank inventory, condition assessment, and tank and piping integrity and cathodic protection
 - Camp Lemonnier: tank inventory and condition assessment
- On-the-spot system analysis resulted in improvements that minimized risks to readiness and war-fighting asset availability
- At Sigonella, the ESA determined the need to reroute future piping to reduce cost and manage environmental and operational risks
- The team's experience with the FGS and knowledge of airfield layouts and fueling ops was crucial for project success and to create solutions to minimize interruptions to the mission



Oil Spill Preparedness and Planning Compliance

- Facility Response Plans (FRP), Oil and Hazardous Substance (OHS) Spill Contingency Plans, OHS Spill Response Plans and Integrated Contingency Response Plans (ICP)
- Drills and exercises to meet the National Preparedness for Response Exercise Program (PREP) Guidelines
- Navy On-Scene Coordinator (NOSC) and other Spill Response Training
- Design of OHS Spill Contingency Plan facilities



Spill Prevention and Response Plan Update, Guantanamo Bay, Cuba

- Prepared Spill Prevention and Storage Tank Management Plan, Spill Prevention Plan, and Emergency Response Action Plan
- Assessed high hazard areas with goal of minimizing risk to mission
- Developed protection strategies for environmentally sensitive sites (including drinking water intake) in Guantanamo Bay



Air Quality and CAA Compliance

- Title V permit applications
- Air emissions inventories
- Clean Air Act (CAA) compliance assessments and pollution prevention strategies
- Air modeling
- Compliance with permit conditions and air quality programs
- Air pollution control technologies
- Stack sampling and analysis
- Air toxics emissions inventories, human health risk assessments (HHRAs), public notifications, and risk reduction audits and plans
- Support for the following programs and regulations:
 - National Emission Standards for Hazardous Air Pollutant Standards (NESHAPs)
 - California Diesel Air Toxic Control Measures
 - California Global Warming Solutions Act of 2006
 - Defense Land Systems and Miscellaneous Equipment Military Achievable Control Technology standards
 - New Source Review, Prevention of Significant Deterioration, and General Conformity Analysis/Determinations
 - Chemical Accident Prevention Provisions including the California Accidental Release Prevention



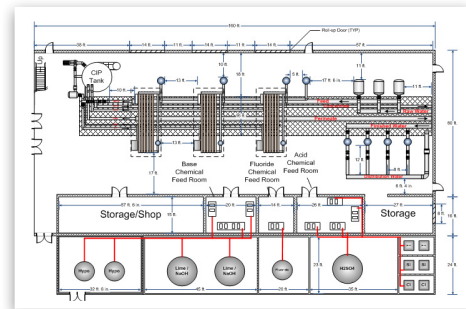
Regional Air Quality Compliance Support, Naval District Washington DC

- Conducted complex AERMOD based evaluations to determine human health impacts for various open burning operations
- Created electronic refrigerant inventory tools and completed updated inventories to comply with updated EPA regulations
- Provided on-site support to implement solutions to manage Title V deviations and developed compliance tracking tools to streamline recordkeeping
- Reduced regulatory risk by negotiating with state agency the removal of major source NESHAP requirements from Title V Permit following EPA's issuance of the memo withdrawing "once in always in" policy



SDWA Compliance

- Groundwater and surface water quality evaluations
- PFAS characterization and treatment solutions
- Compliance/condition assessments
- Watershed/aquifer studies, hydraulic modeling, pilot/treatability studies
- Source and sanitary surveys
- Corrosion control studies
- Cross connection/backflow prevention surveys
- Initial distribution system evaluations and mapping
- Unidirectional flushing plans
- Wellhead protection assessments and water system vulnerability assessments
- Treatment for potable water
- Preparation of reports/applications
- Preparation of detailed construction scoping documents



MCON P193 Water Treatment Plant, MCAS Cherry Point, NC

- Propriety tools helped the client to make treatment and operational decisions
 - Treatability and pilot plant revisited to prevent fouling and lower plant operations cost
 - New and existing well yields evaluated for acceptable blend
- Innovative interfaces with the existing systems saved costs
 - Well field operations and remote controls evaluated to improve raw water quality
 - SCADA integration with existing elevated storage integrated the new plant
- Early regulator engagement facilitated Certificate to Construct approval
- A familiar operator interface customized the high-tech plant
- PCAS: O&M manuals, operator training, and on-call support



CWA Compliance (Stormwater)

- Phase I and Phase II Stormwater permit applications
- Stormwater Pollution Prevention Plans (SWPPPs)
- Investigation of illicit discharges
- Construction site stormwater support
- Best management practices (BMPs)
- MS4 stormwater management programs
- Characterization or toxicity testing
- Stormwater mapping and updates of electronic data
- Innovative stormwater management techniques



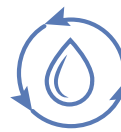
CWA Compliance (Wastewater and Industrial Wastewater)

- Domestic and industrial wastewater services, including:
 - Treatability studies
 - Treatment using a full suite of technologies
 - PFAS characterization and treatment solutions
 - Plant design
 - Permitting
 - Collection systems
 - O&M
 - Operator training
- Sludge characterization and disposal/minimization
- Land application of sludge and wastewater
- Development of pretreatment programs and source surveys
- Ambient water quality sampling studies, watershed/water quality modeling, mixing zones, development, and negotiation of total maximum daily load (TMDL) requirements



FBI Quantico Complex Phase II Municipal Separate Storm Sewer System (MS4) General Permit Renewal Application and Permit Compliance Support, MCB Quantico VA

- Provided expert advice for stormwater program compliance
- Initial assessment identified areas of non-compliance
- Developed a comprehensive stormwater program that covered planning, public outreach, training, and annual reporting
- Provided easy-to-use guidance to support continued compliance
- Received DEQ approval of their Chesapeake Bay TMDL Action Plan and PCB TMDL Action Plan



Water/Wastewater Utility Master Plans, NSA Bahrain

- Capacity and inflow and infiltration analysis helped prevent future sanitary sewer overflows and prepared Navy for mission assurance recapitalization
- Collection system mapping and pump station evaluations set the stage to control overflow and spills
- High base tempo required intense PWD coordination for fieldwork
- NAS I evaluation provided critical input into Ship to Shore Waterfront Utilities Upgrade where CH2M prepared the EURAFSWA Regional 1391



Material and Waste Management

- Support of the following programs:
 - Navy and Marine Corps Hazardous Waste (HW)
 - Solid Waste (SW)
 - Polychlorinated Biphenyls (PCB)
 - Regulated Medical Waste (RMW)
 - Pollution Prevention (P2)
 - Radioactive Materials
 - Emergency Planning and Community Right-to-Know Act (EPCRA)
 - Hazardous Materials (HM)
 - Asbestos-Containing Materials (ACM)
 - Lead-Based Paint (LBP)
- Site investigations, evaluations, and permit applications
- Soil, water, groundwater, sediment, gaseous sampling and analysis
- Groundwater modeling and geophysical contamination migration
- Risk assessments and air modeling
- Radioactive Material and Waste Management using NRC Radioactive Material License.
- Designs and Post-Construction Award Services (PCAS) for environmental restorations



MCAS Beaufort RCRA Technical Support, SC

- Completed a permit renewal for a <1-year hazardous waste storage facility and open burn/open detonation (OB/OD) unit for this large quantity generator
- Conducted groundwater sampling and reporting, prepared a no further action statement of basis, and developed an unexploded ordnance (UXO) avoidance plan
- Reviewed waste profiles, recommended reductions, and combined redundant profiles to reduce time and costs for recordkeeping, reporting, and management of hundreds of waste profiles
- Because of our years of support, we were able to identify an area of possible non-compliance (a stormwater sampling location at the OD unit), investigate the situation, and provide documentation to the facility



Additional Services

Compliance and Investigation Sampling and Analysis Using Accredited Laboratories

- Sampling and analytical testing for water, wastewater, groundwater, stormwater, ambient air, sediment, and other environmental compliance media
- 24-hour laboratory testing response time
- Compliance with the Quality Systems Documentation requirements of DOD Policy and Guidelines for Acquisitions Involving Environmental Sampling or Testing dated November 2007

Environmental Condition of Property Programs

- Environmental Condition of Property (ECP) evaluations
- Phase I and II Environmental Site Assessments (ESA)
- Phase I and II Hazardous, Toxic, and Radiological Waste (HTRW) Surveys
- Geological/hydrogeological assessments
- Human health/ecological risk assessments
- Range condition assessments including munitions and explosives of concern (MEC)
- Historical Radiological Assessments, Radiological Investigations
- Aerial photography, mapping, surveying, and GIS services

Pesticide Management

- Pesticide reduction opportunity assessments, preparation of management action plans, annual reports, product selection and application recommendations, and assessment of control contracts
- Specialized training for pesticide media managers and installation personnel to identify personal protection and pest control measures
- Technical consultation on regulations governing the use, storage and handling of pesticides, rodenticides, herbicides and fungicides, including the following:
 - Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
 - DODINST 4150.71: DOD Pest Management Program
 - OPNA VINST 6250.4B: Navy Pest Management Program
 - OPNAVINST 5090.1B: Environmental and Natural Resources Program Manual
 - OSHA Pest Management Programs

Radon Assessment and Testing

- Pre-mitigation radon surveys; determination of the status of compliance
- Determination of sample priority and facility occupant risk
- Execution management and mitigation plans
- Post-mitigation assessments and database updates

Sustainability Solutions

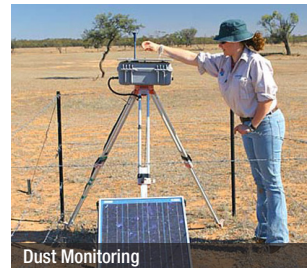
- Compliance support for response to EO 13423, Strengthening Federal Environmental, Energy, and Transportation Management, and EO 13514, Federal Leadership in Environmental, Energy, and Economic Performance
- Continual review and support of strategic and programmatic planning, long-term process improvements, efficiencies, and waste minimization

Lead-Based Paint (LBP) and Asbestos Mitigation and Management

- Pre-mitigation LBP and/or asbestos surveys
- Determination of the status of compliance, sample priority facility occupant risk
- Management and Mitigation Plans
- Post-mitigation assessments

Other Support Services

- Other Environmental Liabilities (OEL)
- GIS mapping and database management
- Final Governing Standards (FGS)
- Pilot studies
- Audits, surveys, monitoring, and inspections



Dust Monitoring



Hazardous Waste inspection



Radiological Monitoring NAS Oceana



PFAS Drinking Water Sampling, MCAS Cherry Point, NC



Fire Response Training



Hazardous Waste Storage



Jet Fuel Distribution

CONTACT INFORMATION



To inquire about placing an order on the contract, please contact:

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