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| <b>CONTRACT NAME:</b>   | Environmental Engineering Services for Storm Water Management |                                       |           |
| <b>CUSTOMER</b>         | Naval Facilities Engineering Command Atlantic                 |                                       |           |
| <b>CONTRACT NUMBER:</b> | N62470-03-R-4004  | <b>CONTRACT PERIOD OF PERFORMANCE</b> | 9/04-9/09 |
| <b>CONTRACT VALUE</b>   | \$2.5M  | <b>CONTRACT TYPE:</b>                 | IDIQ FFP  |

**Contract Summary:**

Under this five year \$2.5M IDIQ contract AH provided storm water management support to activities within the NAVFAC Atlantic area of responsibility. AH provided services to a variety of facilities under this contract, including Naval Weapons Station Yorktown, Naval Amphibious Base Little Creek, Naval Air Station Oceana and the Norfolk Naval Shipyard. Each of these facilities presented unique challenges, particularly for stormwater sampling at all hours of the day and night and all days of the week. AH successfully managed difficult access conditions in sensitive areas due to our vast experience at military installations.

Assignments included permitting, mapping, preparing plans and sampling stormwater. The contract has also been used to provide Safe Drinking Water Act services. All task orders were completed within approved schedule and budget.

**Burn Pit Discharge Assessment and Alternatives Evaluation, MCAS Cherry Point, NC:**

AH evaluated various alternatives to an existing crash/fire/rescue burn pit training facility that was originally designed to discharge directly to a small creek that eventually discharges to the Neuse River. Because the facility had previously failed toxicity bioassays required as part of a NPDES permit monitoring requirement, the discharges from the burn pit and an in-line oil water separator were plugged. MCAS Cherry Point was interested in assessing alternative construction designs and the use of non-toxic fire suppressants to alleviate the labor intensive practice of suctioning burn pit water and transporting it to an onsite industrial wastewater treatment system.

**Development of Stormwater Pollution Prevention Plan, NWS Yorktown, VA:**

AH prepared a Stormwater Pollution Prevention Plan (SWP3), SWP3 Site Compliance Evaluation (SCE), and a NPDES permit application in order to renew NWS Yorktown’s permit. The work included gathering data and information necessary to prepare NPDES Permit Applications Forms 1, 2E, and 2F and conducting storm event sampling (i.e. first flush grabs) at the sixteen outfalls which discharge stormwater associated with industrial activity. The application package was submitted to the Virginia Department of Environmental Quality and was subsequently approved with only slight modification.

**Development of HRSD Permit Application, NWS Yorktown, VA:**

AH prepared a Hampton Roads Sanitation District Permit Application to renew NWS Yorktown’s Wastewater Pre-treatment Program permit. The work included preparation of the application form, inventorying of all wastewater pre-treatment devices and all industrial discharges, developing an updated water balance for the facility, collecting and tabulating

effluent quality data, and updating the inventory of all industrial/hazardous waste leaving the station by means other than the sanitary sewer system.

**NNSY Storm Water Management Plan, Norfolk Naval Shipyard, VA:**

AH provided engineering services to prepare a Storm Water Management Plan (SWMP) and Registration Statement for Norfolk Naval Shipyard (NNSY). The SWMP met the requirements of the Virginia Pollutant Discharge Elimination System (VPDES) Phase II storm water general permit. NNSY is designated as a small municipal separate storm sewer system (MS4) under the Virginia Department of Conservation and Recreation (VDCR) Phase II storm water program. The SWMP developed by AH was specifically designed to provide NNSY with a comprehensive program to minimize storm water pollution at NNSY. Best Management Practices that satisfied the requirements of the six minimum control measures that are required to be implemented under the terms of the VPDES Phase II general permit, VAR040, were included in the SWMP.

**Storm Water Management, NAVSTA Guantanamo Bay, Cuba:**

AH performed a three-element project in support of the GTMO storm water program. The project included conducting an illicit discharge survey, field verifying storm water features and preparing mapping, and a SWP3. During the mapping effort the condition of the system and areas requiring attention were noted. Typical problems included erosion and sedimentation in man-made ditches and culverts.

**NPDES Permit Renewal and SWPPP Update, MCAS Cherry Point, NC:**



MCAS Cherry Point is required to comply with EPA regulations under Section 308 of the Clean Water Act to provide information, monitoring, and record keeping as required by the NPDES program. North Carolina storm water NPDES permit NCS000314 requires that MCAS Cherry Point implement, manage, and oversee all provisions of the storm water program. AH assembled the permit renewal package for MCAS Cherry Point. The package contained a review of the storm water program, development, and implementation activities over the life of the permit. In addition, the permit

submittal package contained the current status of the storm water program and a description of further program development to be implemented during the next permit period. AH also presented quantitative, qualitative and continuous sampling analytical results for the permit period. AH also updated Cherry Point's SWP3.

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| Major Subcontractors: |  |
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| Client POC: | Richard Padgett, Project Manager   | Phone:  | 757-322-4733             |
| Address:    | NAVFAC MIDLANT, Bldg. N26, Room 3208, 9742 Maryland Ave., Norfolk, VA 23511-3095 | E-Mail: | Richard.padgett@navy.mil |

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|----------------------|---|---------|---------------------|
| Contracting Officer: | Lynn Tanno                                  | Phone:  | (757) 444-7179      |
| Address:             | 9742 Maryland Avenue, Norfolk VA 23511-3095 | E-Mail: | lynn.tanno@navy.mil |