

Frederick H. Swahn, Jr., PG
Program Director**DOCKET****09-AFC-6**

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EducationBS, Geology, University of
Maryland, College Park, 1983**Registrations**Professional Geologist,
Tennessee, #TN2205, 1991**Years of Experience**

27

Employment History

AECOM

Alion Science and Technology
Science Applications International
Corporation

MWH Americas Inc

IT Corporation Inc

ICF Kaiser Engineers Inc

Parsons Engineering Science

US Army Toxic & Hazardous
Materials Agency

Mr. Swahn is a program manager with 27 years of experience in environmental investigation, engineering, remediation, construction management, munitions response and compliance serving federal, DoD and private-sector clients. He has served as an operations manager for munitions investigations and site clearance, environmental remediation, demolition and destruction (D&D), and emergency response projects. Mr. Swahn has been a program manager for more than \$150 million in DoD contracts IDIQ military munitions response (MMR) and hazardous, toxic and radioactive waste (HTRW) remediation contract task orders. He has performed the full complement of munitions response and environmental projects including: preliminary assessments, site investigations, RI/FS assessments, EE/CAs, closure plans and PP/ROD decision documents, remedial action planning and design, remedial construction, site closure, BRAC property transfer support, and military installation compliance activities. He has been successful in developing closure strategies, developing accurate cost-to-complete estimates, and communicating, negotiating and delivering the complete project cycle for environmental services.

Experience

USACE Alaska District, MEC RI, FUDS Tanaga Island, Alaska. As MMRP group leader, advised on-site project team performing the work in Alaska. The MEC remedial investigation (RI), conducted in parallel with an HTRW remedial investigation/feasibility study (RI/FS) of the site, assessed former live munitions ranges and defensive gun emplacements at this remote, former Naval auxiliary airfield. Field activities included identification of all MEC-related areas, geophysical mapping, intrusive investigation of anomalies, and energetic disposal of any remaining military munitions, as required. Thirty-two anti-aircraft gun emplacements, a rifle range, a rocket and bombing target, a landfill, and two munitions demolition areas have been identified and were investigated for MEC under the RI/FS. The project was recently awarded an FY2009 Secretary of the Army Environmental Award for Environmental Restoration – Team, as well as a 2009 4th Quarter Safety award from USACE Alaska District. In addition, AECOM received the 2009 Contractor of the Year Award from USACE Alaska District, based on our performance on this project.

ANG, Geophysical Anomaly Intrusive Investigation and Non Time Critical Removal Action at Combined Arms Collective Training Facilities and Urban Assault Course, Camp Ripley, Minnesota. Senior technical reviewer for After Action Report. Also managed

construction support activities for the Combined Arms Collective Training Facilities and Urban Assault Course building sites.

Solar Millennium, Solar Energy Plants Site Planning, Blythe and Palen, California. Project manager for an archival review, preparation of the unexploded ordnance section for the health and safety plan, PowerPoint presentation training sessions, and an on-site UXO briefing with team leaders and management cadre.

US Army Corps of Engineers - Huntsville District, CONUS/OCONUS Munitions Response, Multiple Locations. Division manager for \$5.5 million in annual revenue with 15 to 25 employees.

DMPTR Site Clearance, Fort Bliss, Texas. Managed clearance activities for more than 150 acres to a depth of three and one half feet for the installation of new Digital Multiple-Purpose Training Range within the Dona Ana range complex, characterized as a high risk area containing unexploded 20mm, 37mm, and 40mm HE projectiles, 60mm HE mortars, and 60mm illumination. Clearance Work Plan approved by Fort Worth District and on-site clearance activities with two seven man clearance crews ongoing supported by digital geophysical mapping (DGM).

US Army Corps of Engineers - Baltimore District, FUDS MMRP Site Inspections, Northeastern United States. Managed 15 MMRP SIs at FUDS. Work tasks included technical project planning (TPP) outreach with various stakeholder such as current property owners, both private and public sector, multiple regulatory agencies, and all branched of the military; field sampling and data analysis from MEC reconnaissance and MC sampling activities; site characterization to determine whether each of the specific project sites identified warrant further response action or NDAI for MEC and MC, and preparation of final report documentation in accordance with DERP, CERCLA, and NCP, as well as state guidance and regulations.

Stationary Gunnery Range 1 Clearance, Fort Benning, Georgia. Managed task order to clear a portion of the historic range fan used for mortar, recoilless rocket, rocker launcher and tank guns. Work task included: preparation of an approved Type II work plan, coordination with range safety for access and work schedule on an active range, oversight of a seven-man UXO clearance team to clear five acres, on-site consolidated detonations, and final approval for grid clearance.

Oil Storage Terminal, Long-term Remedial Solution, Brooklyn, New York. Managed an \$8.9 million life-cycle cost project for the investigation, immediate response/containment and installation of a containment system for petroleum product seeping into a barge canal, implementation of an interim product collection system to capture petroleum before it seeps into the canal, and a long-term solution preventing additional seepage of product. Managed design and installation of a petroleum seep containment system on the surface of the barge canal adjoining the property; configuration and implementation of an immediate product recovery system for wells located along the canal; the investigation and delineation of the free

phase petroleum product floating on the surface of the groundwater (upwards of six-feet thick), and the design, installation/construction and operation of a contaminated groundwater and product recovery system to operate for upwards of 10 years.

US Army Corps of Engineers - Baltimore District, TERC Program, Multiple Sites. Program manager for a \$150 million 10-year contract. Managed the cleanup of more than 25 indoor rifle ranges located at Army Guard armories across Pennsylvania.

US Air National Guard Bureau, Environmental Remediation Contract, Nationwide. Program manager for 15 to 20 performance-based competitively awarded task orders valued at \$2.5 million to \$5 million annual revenue with performance goals. Managed remedial systems operations at sites on the ANG portion of the former Pease AFB and 52 delivery orders valued at over \$7.5 million in awards through the first two years of the contract. Additional nationwide project task orders range in scope from RI/FS/PP/ROD, ecological/biological/cultural surveys, environmental baseline assessments, and remedial design to UST/AST removal and installation, in-situ/ex-situ remediation, environmental construction upgrades to noncompliant operations, and site closure.

US Postal Service, Brentwood Postal Facility Anthrax Cleanup, Washington, DC. On-site manager for a \$120 million task order. Prepared scope, schedule, and budget submissions and assisted with the management of the design and construction of a chlorine dioxide (ClO₂) gas fumigation system to decontaminate an 800,000-square foot mail sorting building. Ensured strict compliance to safety, quality, and government contracting standards for the successful performance of this twelve-month emergency response project. Prepared written containment plan and preliminary decontamination procedures documented to meet environmental management system (EMS) format. Prepared and submitted applications for air permits, wastewater discharge permits, and bio-hazardous waste handling and temporary storage permits receiving approval from DC Health Department. Additionally prepared future threat and vulnerability assessment analysis reports using site investigation data and contaminant migration information and prepared the initial draft of a continuity of operations plan for the Postal Service's mail handling facility.

US Army Corps of Engineers - Baltimore District, TERC Program, Picatinny Arsenal New Jersey. Managed 11 task orders with a total contracted value of \$48 million to facilitate closure of 187 IRP sites. Managed a staff of 35, including seven project managers, performing as many as 15 RI/FS, RD, and RA simultaneously. Implemented cost control measures, including daily cost tracking for large field remedial construction projects and provided weekly and monthly variance and earned value analysis based on a pre-approved project tracking matrix schedule. Partnered with Picatinny Arsenal environmental restoration program staff, USACE Baltimore and Omaha Districts, US Army Environmental Center, USEPA Region II, New Jersey DEP, and US Fish and Wildlife to ensure effective execution of project performance

with a focus on site closure.

Open Detonation/Burning Ground Groundwater Monitoring Program, Picatinny Arsenal New Jersey. Technical manager for update of the RCRA Sub-part X permit. Managed the expedited planning, installation, and reporting to comply with expanded permit requirements leading to NJDEP granting interim approval for Subpart X of the installation-wide RCRA permit.

Army Engineer Corps, Environmental Compliance and Engineering Services Support, Mid-Atlantic. Program manager for a \$30 million A/E services ESPS contract. Directed six project managers working on \$26.5 million of task order scopes at four installations. Served as the single POC for coordinating and communicating program progress and resolving program issues with the client. Established and implemented program-level quality control and administrative procedures. Developed project delivery approaches, schedules, and cost estimates, including negotiating additional work under client-authorized modifications.

Colonie FUSRAP Site, Albany, New York. Project manager responsible for preparation of the initial draft EE/CA for the removal and disposal of lead and radioactive contaminated soils, site-wide groundwater RI/FS, and preparation of the final soil remediation closure plan and record of decision for site closure.

US Army Environmental Command, TEPS Contract - HTRW Environmental Work, Picatinny Arsenal, New Jersey. Project manager for more than \$12 million of cleanup work. Worked closely with AEC counterparts to provide high quality cost-effective support to the Arsenal's IRP staff. Work orders included the preliminary assessment of 187 IRP sites under CERCLA. Performed PA/SIs and initial RIs for most of these sites, and started preparation of closure decision documents where site required no-further-action (NFA). Investigations included assessing and clearing six radioactive contaminated buildings. The site-wide soil sampling program incorporated extensive on-site screening for contaminate assessment that reduced off-site analytical costs by more than \$2 million, based on the collection and on-site analysis of more than 6000 soil and sediment samples. Based on these preliminary assessments, sites were grouped by potential future environmental path forward ranging from no further action, limited action with institutional controls, and full scale RD/RA. Supervised technical quality and financial management for more than 150,000 hours of work and more than \$4 million of subcontractor and ODC costs to ensure work assignments were completed on schedule and within budget.

Underground Storage Tank Investigation and Upgrade/Regulatory Compliance Task Order, Fort Carson, Colorado. Project manager for \$2.4 million USATHAMA investigation of 70 UST sites, focusing on 24 discrete areas. Two UST areas contained storage of hazardous waste solvent and the remaining 22 UST areas stored contained petroleum products (POL). Innovative use of EM and soil gas surveys as quick screening tools to identify areas of concern. These rapid preliminary screening techniques allowed investigation team to quickly

focus on leaking USTs, saving the client time and funding. UST removal plans were developed and implemented for 15 sites, requiring the removal and closure of 42 USTs.

US Army, Defense Distribution Region East RI/FS, New Cumberland Army Depot, Pennsylvania. Delineated off-post groundwater contamination resulting from historic army aircraft maintenance and plating operations. Study results were presented to the local residential community. Extensive partnering with the local community, PADER, and USEPA Region II allowed for the efficient design of an off-post groundwater recovery system, approved by local residents bordering the installation. Prepared the final ROD for the site, 3 months ahead of schedule to accommodate DDRE warehouse building construction schedule.

US Department of Energy, Feed Materials Production Center Environmental Restoration, Fernald, Ohio. Managed detailed document review for technical quality, regulatory compliance, and ability of implementation for all RI/FS and decision documents prepared under the consent agreement. Documents included RI reports; baseline risk assessments; initial screening of remedial action alternatives reports; detailed feasibility studies; proposed plans for additional field investigations to fill RI data gaps; remedial design work plans; and remedial action work plans.

US Army Corps of Engineers - Baltimore District, TERC Program, Assistant Program manager for a \$330 million 10-year CPFF and CPAF contract with 35 to 40 active task orders.

Washington Metropolitan Area Transit Authority, Wastewater/Stormwater Pretreatment Assessments, Washington, DC. Managed the design and implementation for five bus garage and maintenance facilities. Assessed potential cross connection of discharge lines and the need to upgrade or redesign existing in-line pretreatment systems. Managed field sampling activities, dye trace studies, testing, analyses, and oversight of in-line camera and smoke testing by subcontractors. The results of the study identified several cross connections of wastewater being discharged to storm water lines and design deficiencies to the existing oil/water separators. Prepared and implemented cross connection repair plans and separator upgrade designs.

Lone Pine Landfill Superfund Site, New Jersey. Technical specialist supporting the evaluation of a proposed detailed design (aquifer restoration through groundwater extraction) for the 50-acre site. Reviewed background hydrogeologic data and evaluated the effectiveness of the proposed well field extraction alternative to ensure hydraulic containment of wastes and contaminated groundwater directly beneath the landfill. Performed field sampling activities, subsurface investigations, and design of dewatering trench drain.

Radford Army Ammunition Plant, Virginia. Assisted with the development of a detailed design package and bid specifications for the closure of three hazardous waste lagoons and one solid (hazardous) waste landfill. Conducted a bench-scale study for lagoon

sludge stabilization, hydrogeologic assessment, closure design support, and preparation of the construction estimate. Provided on-site construction oversight services to ensure compliance to design specifications.

US Army Toxic & Hazardous Materials Agency, Contaminant Transport Modeling, Twin Cities Army Ammunition Plant, Minnesota. Managed two consultants performing contaminant transport modeling of the shallow and deep groundwater aquifer system beneath the ammunition plant and surrounding downgradient community. Evaluated potential contribution of groundwater contamination to a Superfund site located near the army installation. Recommended groundwater extraction and treatment system using boundary wells to prevent further off-site migration of contaminants.

US Army Toxic & Hazardous Materials Agency, O-Line Ponds, Milan Army Ammunition Plant, Tennessee. Performed landfill cap design studies to assess leaching of explosives contaminated surface water infiltration from the ponds. Conducted surface water infiltration modeling for the clay cover. Results showed clay soils from a nearby source located on the installation could be used as cover material; a significant cost savings to the Army.