



SOVEREIGN CONSULTING INC.

Environmental services executed safely and consistently...

QUALITY CONTROL PLAN

Installation Restoration (IR) Site 2 – Fire Training Area
Non-Time Critical Removal Action (NTCRA)

Naval Weapons Industrial Reserve Plant (NWIRP)
Calverton, New York

Contract N62472-05-D-0030, DO 0003

Prepared for:

NAVFAC MID-ATLANTIC
NORTHEAST IPT
9472 Maryland Ave, Bldg Z-144
Norfolk, VA 23511



Prepared by:

Sovereign Consulting Inc.
141 New Rd
Parsippany, NJ 07054

QUALITY CONTROL PLAN

September 2008

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Purpose.....	1
1.2	Scope.....	1
2.0	ORGANIZATION & RESPONSIBILITIES	2
2.1	Subcontractors.....	3
3.0	PHASES OF CONTROL.....	5
3.1	Preparatory Phase.....	5
3.2	Initial Phase.....	5
3.3	Follow-up Phase.....	5
4.0	PROJECT DOCUMENTATION & DELIVERABLES.....	6
5.0	SAMPLE COLLECTION & ANALYSIS.....	7
6.0	COMPLETION INSPECTION	8
7.0	FIELD CHANGE CONTROL.....	9
8.0	REFERENCES AND STANDARDS.....	10

Table 1 Definable Features of Work

- Attachment A Resumes
- Attachment B Letter of Authority
- Attachment C Quality Control Forms

SOVEREIGN CONSULTING INC. QUALITY STATEMENT

This Quality Control Plan (QCP) presents the project-specific Quality Control procedures and requirements for performing the Non-Time Critical Removal Action at Installation Restoration (IR) Site 2 – Fire Training Area, Naval Weapons Industrial Reserve Plant, Calverton, NY.

Achieving desired levels of quality requires the total commitment of all Sovereign Consulting Inc. (Sovereign) employees and subcontractors to our ethic that quality, health and safety, and compliance must come before profits. The successful implementation of our quality policy and ethic requires a formal, documented quality system to assure quality standards are established and achieved in all activities.

The following principles are the foundation and basis of our quality system.

- Senior management takes full ownership of the quality system and will create an environment that ensures quality objectives are met, standards are clearly established, and performance is measured and evaluated.
- Line management is responsible for implementation of the quality system. Each Service Division/Sector shall adhere to all requirements of the Quality System (which includes requirements under this QCP) that apply to their function.
- Every employee is responsible for quality. Each employee is trained in the quality system as appropriate to their function and will be held responsible for the quality of their work.
- Quality will be addressed and verified during all phases of the project, from proposal development through implementation and closeout.
- Continuous quality improvement will be an ongoing process.

Any activity not performed in accordance with the quality system requirements (and the requirements of this standard plan) shall be corrected immediately. If an employee feels that his or her concerns are not being adequately addressed with regard to quality compliance, the employee is urged to contact his or her Senior Supervisor.

Our quality ethic and these quality principles will constantly guide our actions. With vigilance, commitment, teamwork, and persistence, we are committed to meet our own quality expectations and exceed those of our customers.

1.0 INTRODUCTION

1.1 PURPOSE

This Project Quality Control Plan has been prepared to document the project management procedures to be employed in the completion of the Removal Action Plan for the Non-Time Critical Removal Action at Installation Restoration Site 2, Fire Training Area, Naval Weapons Industrial Reserve Plant, Calverton, NY. These procedures dictate the project responsibilities of key project personnel and the methods used to ensure that project goals are completed in conformance with contract requirements.

This Project Quality Control Plan serves to document, but does not repeat, project information or execution requirements provided in other project documentation (e.g., Work Plan, Health and Safety Plan).

1.2 SCOPE

In accordance with the Statement of Work (SOW) for Contract N40085-08-R-2136, it is understood that Sovereign will provide the supervision, labor, equipment and material necessary to demolish, excavate, transport, and dispose of impacted soils from Site 2 – Fire Training Area, NWIRP, Calverton, New York. The work includes the following elements:

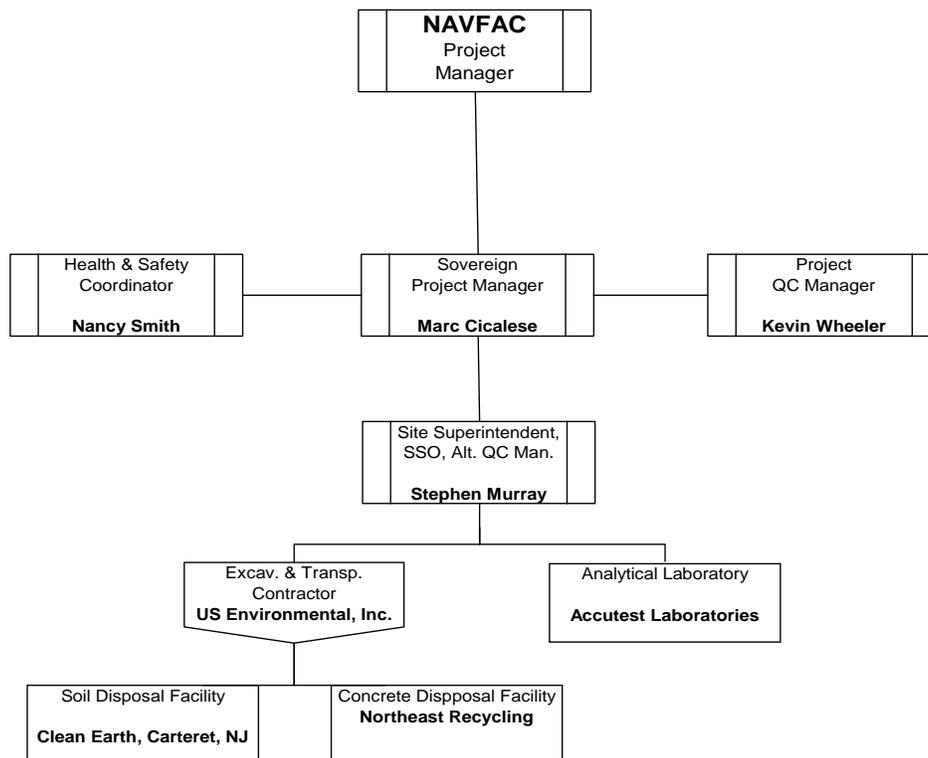
- Preparation of a Work Plan and Health and Safety Plan to be submitted for regulatory review;
- Mobilization and Site Set-up;
- Road Stabilization;
- Structure Decontamination, Demolition, Transportation and Disposal;
- Well Abandonment;
- Removal of Air Sparging/Soil Vapor Extraction Piping and Equipment;
- Excavation of soil and gravel;
- Loading, transportation, and disposal of excavated material;
- Dry Application of a Slow Release Oxygen Compound;
- Site Restoration; and,
- Closeout Report.

The primary objective of this removal action is to remove petroleum impacted soils present in surface and near-surface soils at concentrations greater than NYS TAGM No. 4046 and SCOs. Confirmation sampling to confirm that this remedial objective is met, shall be independently performed by Tetra Tech NUS, Inc., and therefore is not included in this document, since it is not included under Sovereign's scope of services. A description of the confirmation sampling plan is presented in the Removal Action Work Plan.

2.0 ORGANIZATION & RESPONSIBILITIES

The following chart depicts the Project Quality Control Organization:

Quality Control Chart for Soil Removal at Site 2 - Fire Training Area Naval Weapons Industrial Reserve Plant, Calverton, NY Contract No. N62472-05-D-0030, DO 0003



Mr. Marc Cicalese will serve as the Project Manager, and is responsible for oversight of all Naval Facilities Engineering Command (NAVFAC) projects conducted under the existing Contract No. N62472-05-D-0030. Mr. Cicalese will communicate directly with the designated NAVFAC Mid-Atlantic Project Manager, Ms. Lora Fly as well as the Sovereign Superintendent to verify that contracted work is completed in a timely manner, and that contract conditions are complied with. Mr. Cicalese will also have responsibility for project billing review and invoicing. As the Sovereign Project Manager, he is responsible for day-to-day management and coordination of the project scope, schedule, and budget.

Mr. Cicalese will communicate directly with the Calverton ROICC Project Manager, Mr. Chris Shukis and Sovereign Site Superintendent to verify that contracted work is completed in accordance with the agreed upon Scope of Work and regulatory requirements. Mr. Cicalese will coordinate subcontractors and field personnel, required permitting and reporting, and manage the budget expenditures.

Mr. Kevin Wheeler, PG will serve as the Project QC Manager, and is responsible for review of project documents and deliverable to verify compliance with this QCP. Mr. Wheeler will assist the Sovereign Project Manager with QCP compliance and quality assurance review. Mr. Wheeler will be responsible for communicating with the Site Superintendent to assure that the proper project documentation procedures are followed.

Ms. Nancy Smith will serve as the Health and Safety Coordinator for the project, and is responsible for preparation of the Site Safety Plan for the project. Ms. Smith will communicate with the Site Supervisor who will also serve as the Site Safety Officer, to ensure that the Site Safety Plan is adhered to.

Mr. Stephen Murray will serve as the Site Superintendent, Site Safety Officer, and On-Site QC Manager. Mr. Murray is responsible for the on-site oversight and coordination of field activities; management of on-site subcontractors; and management of site operational activities. Mr. Murray will communicate directly with the Project Manager, QC Manager, and NSA Project Manager; and is responsible for completion of the daily, on-site project documents and reports.

Subcontractors selected to assist in the completion of the work scope are discussed in the following section.

2.1 SUBCONTRACTORS

Three subcontractors have been selected to assist in the completion of the scope of work, as listed below:

Excavation & Demolition Contractor

US Environmental Inc.
Downingtown, Pennsylvania
Contact Representative – Jim Hoff

Soil Disposal Contractor(s)

Clean Earth
Carteret, New Jersey
Contact Representative – Coordinated through US Environmental

Northeast Recycling
Bay Shore, New York
Contact Representative – Coordinated through US Environmental

Transportation Contractor(s)

Winter Bros.
1198 Prospect Ave.
Westbury, NY 11590 – Coordinated through US Environmental

Analytical Laboratory

Accutest Laboratories

Dayton, New Jersey

Contact Representative – Diane Komar

3.0 PHASES OF CONTROL

The scope of work can be broken into the following three phases of control for QCP program management:

3.1 PREPARATORY PHASE

The preparatory phase of work includes the initial, pre-construction meeting between Calverton ROICC Project Manager and the Sovereign Project Manager; preparation of the Removal Action Plan detailing the project scope; Site Safety Plan preparation; soil pre-classification sampling and analysis; and notifications/procurement of applicable permits, including utility locating and the road opening permit. No other permits are required.

The Sovereign Project manager is responsible for the coordination and successful completion of these activities, under the authority of the Project Manager. The Project QC Manager is responsible for documenting that these activities have been completed properly, prior to entering the Initial Phase of work.

Prior to the commencement of work for each DFW a preparatory meeting will be performed. Documentation of the preparatory phase will be done on the preparatory phase checklist provided in **Attachment C**.

3.2 INITIAL PHASE

The initial phase of work includes the field implementation of the Removal Action Plan, under the immediate on-site supervision of the Site Superintendent. Activities include: soil erosion and sediment control, road stabilization, concrete pit/ring demolition and disposal, air sparging/soil vapor extraction system demolition and disposal, well abandonment, soil excavation, dry application of slow release oxygen release compound, transportation and disposal, excavation backfilling and restoration.

The Site Superintendent is responsible for the on-site management of subcontractors and field activities, under the authority of the Sovereign Project Manager, including recording and completion of required project field reports and documentation forms. As the Alternate QC Manager, the Site Superintendent is responsible for ensuring that field activities are completed in accordance with the Removal Action Plan and QCP and Contract requirements. The Project QC Manager is responsible for reviewing that the proper documentation has been completed in accordance with the QCP prior to entering the Follow-up Phase of work. Documentation of the initial phase will be done on the provided initial phase checklist provided in **Attachment C**.

3.3 FOLLOW-UP PHASE

The follow-up phase of work includes the final completion inspection of the project area by the Calverton ROICC Project Manager and the Sovereign Project Manager and/or Project QC Manager to document the successful completion of the scope of work in accordance with Contract requirements, and identify and re-work that may be required. If re-work is required, then it would be completed in this phase of work, followed by another completion inspection.

Inspections will be documented using applicable checklists provided in **Attachment C** of this plan.

4.0 PROJECT DOCUMENTATION & DELIVERABLES

The Project Documentation and Deliverables required to be completed during implementation of the work scope includes:

- Removal Action Plan – detailing the project scope
- Site Safety Plan – in accordance with OSHA and USACE requirements
- Project QC Plan – this document
- Road Opening Permit – prior to field activities
- Contractor Production Report/Quality Control Report – completed daily during field activities
- Safety Tool-Box Meeting Forms – completed weekly during field activities
- Rework Items List – updated daily during field activities as required
- Final Report – documenting completion of the Removal Action Plan work scope

5.0 SAMPLE COLLECTION & ANALYSIS

Sample collection activities will include soil pre-classification sampling and analysis for disposal characterization and confirmation sampling performed by Tetra Tech NUS, Inc. Pre-classification sampling will be conducted in accordance with the Removal Action Plan, and laboratory analyses will meet the requirements of the selected disposal facility (Clean Earth, Carteret, NJ). All pre-classification laboratory analyses will be performed by Accutest Laboratories of Dayton, New Jersey.

The confirmation sampling shall be independently performed by Tetra Tech NUS, Inc., and therefore is not included in this document, since it is not included under Sovereign's scope of services. A description of the confirmation sampling plan is presented in the Removal Action Work Plan.

7.0 COMPLETION INSPECTION

Following the successful completion of field activities, a Completion Inspection of the project documentation and field Site will be conducted by the Calverton ROICC Project Manager, and the Sovereign Project Manager and/or QC Manager to confirm that the scope has been completed in accordance with Contract requirements. If so confirmed, then Calverton ROICC Project Manager shall execute a Possession of Use Record to document successful completion of the field scope, and the Final Report will be completed for submittal.

8.0 FIELD CHANGE CONTROL

Documentation is required for changes that affect project requirements. A change may be necessary because of a changed condition on site that could alter the performance of work that was negotiated or because of a request by the Government representative for additional work that was not originally identified. When a modification to the work is required, the Sovereign Project Manager will submit documented schedule and cost impacts for each proposed change as quickly as possible after identification of the changed conditions.

The following summarizes the steps for initiating a modification resulting from a change in field conditions:

1. The Site Superintendent will immediately notify the Sovereign Project Manager of any changed conditions.
2. The Sovereign Project Manager will assign the task of preparing a detailed description of the changed condition, the anticipated effect on performance and the anticipated effect on the cost of the task to be performed.
3. A written notification that a changed condition has occurred or will occur will be provided to the Government representative after review and concurrence by the Sovereign Project Manager.
4. A detailed cost estimate for the change will be prepared and submitted to the Government representative.

9.0 REFERENCES AND STANDARDS

- (OSHA, 1998) Code of Federal Regulation Standards, Title-29 Labor, 29 CFR 1910, Occupational Safety and Health Administration, 1998.
- (COE, 1996) U.S. Army Corps of Engineers (COE) "Safety and Health Requirements Manual," EM-385-1-1, April 1981, revised September 1996.
- (COE, 1997) "Navy Installation Restoration Manual", Chapter 12, February 1997.
- (IRCDQM, 1999) "Navy Installation Restoration Chemical Data Quality Manual (IRCDQM), September 1999.
- (OSHA, 1999) Occupational Safety and Health Standards for the Construction Industry, 29 CFR 1926, Occupational Safety and Health Administration, 1999.
- (NYSDEC) New York State Technical and Administrative Guidance Manual (TAGM) No. 4046

TABLE 1

DEFINABLE FEATURES OF WORK

Soil Removal Action at Site 2 - Fire Training Area

Naval Weapons Industrial Reserve Plant, Calverton, NY

Contract No. N62472-05-D-0030 DO#0003

DEFINABLE FEATURE OF WORK	SUBMITTAL & SUBTASKS	PREP MEETING	START DATE	FINISH DATE
Mobilization and Site Preparation				
Erosion & Sediment Controls				
Road Stabilization				
Structure Decontamination, Demolition, Transportation & Disposal				
Well Abandonment				
Soil Excavation, Transportation & Disposal				
Site Restoration				
Demobilization				

ATTACHMENT A
RESUMES

SOVEREIGN CONSULTING INC.

MARC E. CICALEASE

Project Manager

EDUCATION

B. S., Pratt Institute, Chemical Engineering, 1987

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Total Quality Management (TQM) Certification

NJDEP Subsurface Evaluator and Closure

NJDEP Cleanup Star Certification

RELEVANT WORK EXPERIENCE

Mr. Cicalese has more than 20 years of experience managing and directing research and development of new remedial technologies, soil and groundwater remediation, engineering design and construction, CERCLA and RCRA investigations, environmental compliance and permitting, wastewater treatment, and radiological decommissioning. He has supported various clients in public relations and litigation. Mr. Cicalese has engineered, managed, and implemented interim remedial measures to control and eliminate sources of contamination; designed and implemented soil and groundwater remediation systems, water supply, and wastewater treatment systems; managed the decontamination and decommissioning of radiological sites, and engineered the removal and installation of both underground and aboveground storage tanks. He has a proven track record in bringing sites to closure in the most efficient and economical manner while adhering to the client's goals, objectives and budgets. He serves as project director and engineer-of-record for several projects involving the development and implementation of innovative technologies to remediate light non-aqueous phase liquids (LNAPLs) and dense non-aqueous phase liquids (DNAPLs).

PROJECT EXPERIENCE

Aberdeen Proving Ground Edgewood Area Groundwater PBC & Base Environmental Support (BEST) Aberdeen & Edgewood, MD—Mr. Cicalese currently serves as the program manager for Sovereign's Edgewood Area Groundwater Performance Based Contract and BEST contract (under subcontract agreement to General Physics Corp.). Under the Edgewood Area Groundwater PBC, he manages all stages of the cleanup of four sites, and supervises 12 people.

Superfund Technical Assessment and Response Team (START III), EPA Region 1—Mr. Cicalese is currently overseeing a 5-year, \$7.5M contract with EPA Region 1 (VT, ME, RI, CT, NH, MA) to provide technical support services under the START Program.

He provides oversight for technical and analytical services, including site assessment, response and support activities under the CERCLA. Services include gathering and analyzing site information, preparing technical reports on oil and hazardous substance investigation, and technical support for cleanup efforts

Multiple Award Task Order Contract for Construction Services, APG—Mr. Cicalese is Project Manager for the 5-year Multiple Award Task Order Contract (MATOC) issued by the U. S. Army for services at Aberdeen Proving Ground in Edgewood, MD. His duties include managing the execution of and compliance with all contract requirements, acting as a primary client POC for all contract and construction matters, receiving requests for response actions, coordinating risk reviews, ensuring program resource allocation, and managing cost and schedule performance. He conducts contract negotiations, approves final DO cost proposals, endorses work plans, and approves subcontracts

Cragston Landfill Closure, United States Military Academy—Mr. Cicalese served as the Program/Project Manager for the capping and closure of a former sanitary (solid waste) disposal facility at the United States Military Academy (USMA), in West Point, New York. He was responsible for managing all project activities with the Project Superintendent's, Quality Control personnel, Project Engineers and Health and Safety personnel. He also served as the primary liaison and point of contact with the USMA and their representatives. Mr. Cicalese provided project management, construction supervision, estimating, and project engineering. He developed and implemented the Contractor Quality Control (CQC) Plan.

Radiation & Chemical Disposal Landfills, Major University—Mr. Cicalese managed a \$10 million remediation and closure of two former radiation & chemical disposal landfills. The project included the evaluation of various remedial alternatives to address the leakage of the landfill to the groundwater. Mr. Cicalese managed the implementation of interim remedial measures to prevent surface water runoff and to reduce the leaching from the landfill to the groundwater.

Feasibility Studies, Small- and Large-Scale Projects—Mr. Cicalese performed numerous technical evaluations and pilot tests to determine the feasibility of vapor extraction and air sparging for small- and large-scale soil and groundwater remediation projects.

PROFESSIONAL TRAINING & CONTINUING EDUCATION

40-Hour, OSHA Hazardous Waste Operations

8-Hour, OSHA Hazardous Waste Refresher

8-Hour, OSHA Hazardous Waste Site Supervisor

OSHA Trenching/Excavating/Competent Person

NJDEP Site Remediation & NJDEP Regulated USTs

SOVEREIGN CONSULTING INC.

KEVIN P. WHEELER, P. G.

Senior Hydrogeologist / Remediation Professional

EDUCATION

B. S., Geology, Temple University, 1991

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Professional Geologist, PA (# PG004518)

Professional Geologist, NC (#2011)

Professional Geologist, AL (#1193)

NJDEP Subsurface Evaluator, License No. 0016249

RELEVANT WORK EXPERIENCE

Mr. Wheeler is a registered professional geologist with over 16 years of environmental experience, with expertise in regulatory interpretation and negotiation, site assessment and evaluation, and *in situ* soil and groundwater remediation. His experience includes groundwater and soil pollution abatement projects, remediation technology selection, alternative remedial strategy development, and remedial system design, installation, monitoring, evaluation, and optimization. Mr. Wheeler's experience also includes work on RCRA, CERCLA and State Superfund sites for industrial, commercial, municipal and petroleum clients.

PROJECT EXPERIENCE

Various Petroleum Sites, Major Oil Company—Mr. Wheeler serves as Project Manager and Sr. Hydrogeologist for several petroleum bulk storage and distribution facilities in Pennsylvania and New Jersey for BP Petroleum Corporation. His oversight activities include soil, groundwater, and sediment investigations; pilot testing, permitting, operation and monitoring of groundwater containment system; third party data sharing efforts, risk analysis support, groundwater modeling support, and development of site conceptual models. Mr. Wheeler is responsible for management and optimization of multiple active remediation systems, including Soil Vapor Extraction, Air Sparge, LNAPL Recovery, and 350 gpm groundwater extraction and containment system.

Metal Plating Facility, RCRA Remedial Investigations—Mr. Wheeler managed the implementation of an approved RCRA RI/FS workplan for a metal plating facility located in eastern Pennsylvania. His activities included installation and sampling of nested, bedrock monitoring well clusters; soil, surface water and sediment sampling programs; extended duration aquifer testing; soil gas surveys; and operation of an interim groundwater extraction system to address chlorinated solvent and metals contamination.

Petroleum Pipeline, Rapid Assessment and Remediation of Jet Fuel Release—

Following the catastrophic release of JP-8 jet fuel from a petroleum pipeline in New Jersey, Mr. Wheeler performed a rapid site assessment to delineate the impacts and simultaneously design and install a total phase extraction (TPE) remediation system for recovery of several feet of free product on the shallow water table. The site was delineated within one week, and the system was installed within two weeks. The TPE system operated for three months, in which time all separate phase product was recovered. Post remedial sampling indicated that the cleanup standards were achieved.

Fuel Oil Terminal, Steam Sparge & Total Phase Extraction for No. 6 Oil—Mr. Wheeler

designed a separate phase hydrocarbon recovery system for a fuel oil terminal in New York City. The system was designed to recover separate phase No. 6 fuel oil via total phase extraction (TPE). The TPE system was enhanced with a steam sparge system to desorb oil from the soil, and enhance mobilization through a reduction of oil viscosity. Several feet of free product in the subsurface was reduced to residual thickness after approximately one year of operation.

Bulk Fuel Oil Terminals, Ozone Remediation—Mr. Wheeler designed and implemented an ozone sparge remediation systems for two Bulk Fuel Oil Terminals located in upstate New York, and one system in southeastern Pennsylvania. The systems were designed for the rapid remediation of separate phase hydrocarbons and recalcitrant PAH compounds, in order to facilitate property divestitures.

Former Manufactured Gas Plant, Ozone Remediation—Mr. Wheeler designed and implemented an ozone sparge system to treat PAH coal residuals in vadose zone soils located beneath a residential home in New Jersey. The contamination was the result of MGP wastes being utilized as fill material in a housing development. The system was operated for an eight-week period, in which time the PAH concentrations were reduced from more than 100 mg/kg to unrestricted use standards (>99% reduction).

Former Plating Facility, Dual Phase Extraction System—Mr. Wheeler designed a high vacuum dual phase extraction system for a former plating facility to recover adsorbed, dissolved and separate phase chlorinated hydrocarbons from the subsurface. Design included multiple treatment processes to address elevated inorganic loading and off-gas treatment, as well as groundwater treatment. Evaluated, upgraded and optimized a dual phase vapor extraction/air sparge system for an active electrical manufacturing plant to enhance water table drawdown and increase chlorinated compound recovery from the subsurface.

Various Sites, Ozone Remediation of Petroleum Hydrocarbons—Mr. Wheeler designed and implemented *in-situ* ozone remediation systems for multiple retail service station facilities located in southeastern Pennsylvania and New Jersey, and ozone pilot testing conducted in central Florida. The systems were designed for the rapid remediation of separate phase hydrocarbons and recalcitrant MTBE compounds, in order to facilitate property divestitures and protect drinking water aquifers. The systems were in operation

from between two and four months, in which time the site remediation standards were achieved.

Petroleum Contaminated Sites, Groundwater and Soil Remediation—Mr. Wheeler managed and coordinated ongoing product recovery, groundwater treatment, and soil venting projects at sites contaminated by petroleum, and/or chlorinated hydrocarbon compounds. Responsible for monitoring and maintaining separate-phase hydrocarbon recovery, groundwater treatment, and soil vapor extraction systems, including dual phase vacuum extraction, air sparging, bio venting, and bio sparging. He organized continuous remediation performance monitoring and remedial system optimization to adapt to dynamic subsurface conditions.

CERCLA Site, Optimization of Interim SVE Remediation System—Mr. Wheeler prepared a remediation system operation and optimization plan for an interim SVE system designed and implemented for a NPL Superfund Site in northern New Jersey. The plan called for the rapid reduction of chlorinated VOC concentrations at the site, prior to soil stabilization activities, through continuous optimization of the system operation, based on changing subsurface conditions over time. Management of this operation resulted in attainment of project goals within a seven-month period.

Petroleum Storage Terminals, ISRA Remedial Actions—Mr. Wheeler implemented approved ISRA Cleanup Plans and investigations for three petroleum bulk storage terminals located in New Jersey. He designed and evaluated upgraded groundwater extraction, treatment and free-product recovery systems to obtain hydraulic control over dissolved hydrocarbon and chlorinated solvent plumes. He operated soil vapor extraction system to remediate on-site soils. Mr. Wheeler negotiated a No Further Action declaration for soils at one site, based upon compliance averaging of post-remedial sampling results and de minimis area delineation. He also conducted groundwater flow and solute fate and transport modeling in support of an approved Class IIIA aquitard classification and site specific, alternative groundwater quality standards. He prepared an ISRA remedial investigation workplan for investigation of soil quality in 25 areas of concern, and developed a NJDEP-approved monitoring well rehabilitation program and groundwater monitoring plan. Mr. Wheeler prepared an approved Remedial Action Workplan Addendum presenting site-specific, risk-based closure goals.

PROFESSIONAL TRAINING AND CONTINUING EDUCATION

40-Hour OSHA HAZWOPER Training

8-Hour OSHA HAZWOPER Annual Refresher

8-Hour OSHA Site Supervisor

OSHA Bloodborne Pathogens

CPR / First Aid Certification

SOVEREIGN CONSULTING INC.

STEPHEN P. MURRAY

Site Supervisor

EDUCATION

B. S., Media Studies, Radford University, 1998

RELEVANT WORK EXPERIENCE

Mr. Murray has approximately a year of professional experience as a Site Supervisor overseeing environmental remediation at U. S. Navy and retail service station facilities. He is familiar with managing field operations, performing operations & maintenance of remedial systems and long-term monitoring of remediation sites, enacting remedial alternatives, sampling groundwater and soil, coordinating activities with clients and subcontractors, and assisting with regulatory and technical reports. Mr. Murray joined Sovereign in 2007.

PROJECT EXPERIENCE

Environmental Services, Naval Facilities Engineering Command Mid-Atlantic (NAVFAC MIDLANT) Environmental Multiple Award Contract (EMAC)—Mr. Murray currently performs work for a contaminated soil disposal assignment at the Campbell Street Fuel Farm at Marine Corps Base (MCB) Camp Lejeune, NC, to support the Corps' ongoing soil and groundwater remediation activities. He oversees soil sampling, soil staging, and transportation & disposal activities.

Environmental Services, NAVFAC MIDLANT—Mr. Murray provided field support to an environmental services contract for sites located at Navy and Marine Corps installations in Virginia and North Carolina, including MCB Camp Lejeune, Naval Station Norfolk, and the NW River Naval Annex. Activities included operation and maintenance (O&M) of remediation systems, well surveying and gauging, well assessment, site monitoring, and environmental assessments at petroleum, oil, and lubricant (POL) impacted sites.

Emergency Response, MCAS Cherry Point—Mr. Murray was Site Supervisor overseeing environmental response activities at a plane crash site near Marine Corps Air Station (MCAS) Cherry Point. He performed dewatering to remediate impacted soil and groundwater at the site, and supported the restoration of the farm land to its original condition.

PROFESSIONAL TRAINING AND CONTINUING EDUCATION

*40-Hour OSHA HAZWOPER Training
CPR / First Aid Certification*

ATTACHMENT B
LETTER OF AUTHORITY



SOVEREIGN CONSULTING INC.

August 15, 2008

Mr. Kevin Wheeler
Sovereign Consulting Inc.
111-A North Gold Road
Robbinsville, NJ 08691

**RE: Letter of Authority for Quality Control Manager
Installation Restoration (IR) Site 2 – Fire Training Area Non-Time Critical
Removal Action, Naval Weapons Industrial Reserve Plant, Calverton, NY
Contract No. N62472-05-D-0030 DO 0006**

Dear Mr. Wheeler:

You are hereby assigned as the Project Quality Control Manager (PQCM) for the Non-Time Critical Removal Action at Installation Restoration (IR) Site 2 – Fire Training Area, Naval Weapons Industrial Reserve Plant, Calverton, NY. As the PQCM you are responsible for the overall quality of the project and implementation of Sovereign's quality control system in accordance with the quality control guidelines and practice contained in the Quality Control Plan for the referenced project.

Daily on-site QC functions will be coordinated with Stephen Murray as the assigned Project Superintendent and on-site quality control manager. However, you will report directly to me in all matters specific to quality control, engineering, and science as they relate to project initiatives.

You have a clear and direct authority to stop work based on quality issues or concerns pursuant to implementation of the quality control system.

Regards,
Sovereign Consulting Inc.

Marc Cicalese
Program Manager

ATTACHMENT C
QUALITY CONTROL FORMS

7. Submittals Reviewed:

Submittal No.	Spec/Plan Reference	By Whom	Action

8. Offsite surveillance activities, including action taken:

9. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

10. Remarks: (Instructions received or given, Conflict(s) in Plans and/or specifications).

Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Authorized CQC Rep at Site

Date

**SOVEREIGN CONSULTING INC.
PREPATORY PHASE CHECKLIST**

Contract No.: N62472-05-D-0030 DO 0003

Date: _____

Definable Feature: _____

Spec Section: _____

Government Rep Notified: _____ Hours in Advance: Yes _____ No _____

I. Personnel Present:

Name	Position	Company/Government

(List additional personnel on reverse side)

II. Submittals

1. Review submittals and/or submittal log. Have all submittals been approved?
Yes _____ No _____

If No, what items have not been submitted?

- a. _____
- b. _____
- c. _____

2. Are all materials on hand? Yes _____ No _____

If No, what items are missing?

- a. _____
- b. _____
- c. _____

3. Check approved submittals against delivered material. (This should be done as material arrives.)

Comments: _____

III. Material Storage

Are materials stored properly? Yes _____ No _____

If No, what action is taken? _____

IV. Specifications

1. Review each paragraph of specifications

2. Discuss procedure for accomplishing the work

3. Clarify any discrepancies

V. Preliminary Work and Permits

Ensure preliminary work is correct and permits are on file

If not, what action is taken? _____

VI. Testing

1. Identify test to be performed, frequency, and by whom.

2. When required? _____

3. Where required? _____

4. Review Testing Plan _____

5. Has test facilities been approved? _____

VII. Safety

1. Review applicable portion of EM 385-1-1. _____

2. Activity Hazard Analysis approved? Yes _____ No _____

VIII. Navy Representative Comments During Meeting

QC REP

IV. Establish Level of Workmanship.

1. Where is work located?

2. Is a sample panel required: Yes _____ No _____

V. Resolve any differences.

Comments: _____

VI. Check Safety.

Review job conditions using EM 385-1-1 and job hazard analysis.

Comments:

Sovereign Consulting Inc. CQC Systems Representative

NWIRP Calverton ROICC Representative

FOLLOW-UP PHASE CHECKLIST

Contract No: N62472-05-D-0030 DO0003 Date: _____

Definable Feature: _____

Government Rep Notified: _____ Hours in Advance Yes _____ No _____

I. Personnel Present

Name	Position	Company/Government
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____

(List additional personnel on reverse side)

II. Identify compliance with procedures identified at preparatory and initial control phases

Comments: _____

III. Verification of Level of Workmanship

1. Where is work located? _____

2. Is work consistent with initial control phase sample? Yes _____ No _____

Comments: _____

IV. Document Differences Identified (if any) and Describe Resolution

Comments: _____

V. Check Safety

Comments: _____

Follow-up Inspection performed by: _____

IV. Establish Level of Workmanship.

1. Where is work located?

2. Is a sample panel required: Yes _____ No _____

V. Resolve any differences.

Comments: _____

VI. Check Safety.

Review job conditions using EM 385-1-1 and job hazard analysis.

Comments:

Sovereign Consulting Inc., CQC Systems Representative

NWIRP Calverton ROICC Representative

