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FINAL ENVIRONMENTAL PROTECTION PLAN FOR TANK CLOSURE OF ABOVEGROUND
STORAGE TANK 2505 (AST 2505) AND OIL AND WATER SEPARATOR REMOVAL CNC
CHARLESTON SC
2/1/2002
SPECTRA TECH, INC.

FINAL

ENVIRONMENTAL PROTECTION PLAN

**TANK CLOSURE OF ABOVEGROUND STORAGE TANK 2505
AND OIL/WATER SEPARATOR REMOVAL
CHARLESTON NAVAL COMPLEX ANNEX
CHARLESTON, SOUTH CAROLINA**

February 2002

Submitted to:
Department of the Navy
Southern Division
Naval Facilities Engineering Command

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and Oil/Water Separator Removal
Charleston, South Carolina**

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Abbreviations and Acronyms

AST	Aboveground storage tank
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
EPA	U. S. Environmental Protection Agency
OSHA	Occupational safety and Health Administration
OWS	oil/water separator
POC	Point of Contact
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SCDHEC	South Carolina Department of Health and Environmental Control
STEP	Solutions To Environmental Problems
UST	underground storage tank

1.0 INTRODUCTION

The purpose of this Environmental Protection Plan is to outline the methods and responsibilities for protection of natural resources and the environment during tank closure of aboveground storage tank (AST) 2505 and removal of the connecting oil/water separator (OWS) at the Charleston Naval Complex Annex. Solutions To Environmental Problems Inc. (STEP) will comply with all applicable federal, state, local, and base environmental laws; properly manage and dispose of all waste generated; document and report on pollution prevention measures; and prepare all reports required by outside agencies.

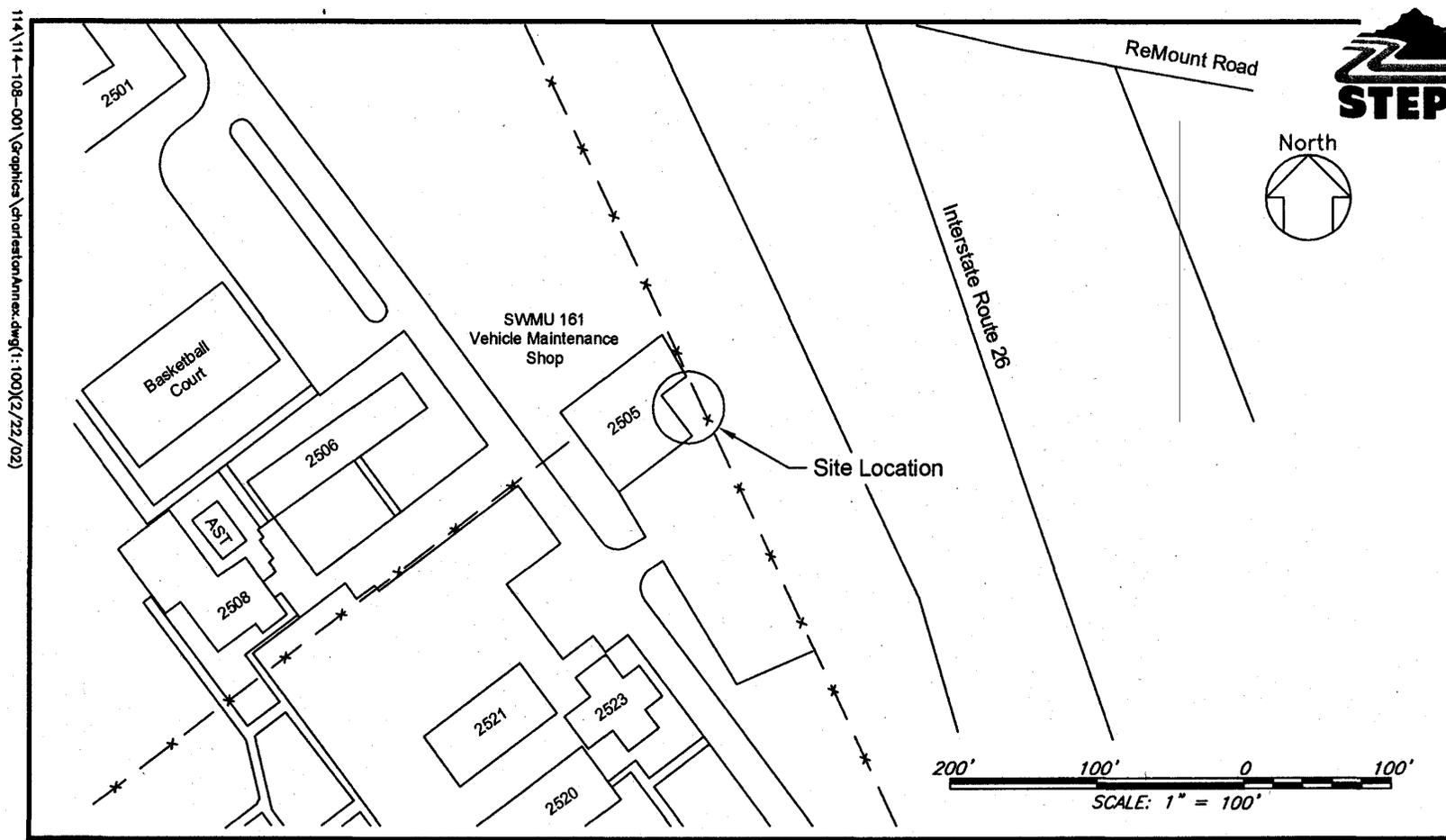
The objective of this project is to remove, clean, and dispose of AST 2502, the connecting OWS, and associated piping and equipment at the Charleston Naval Complex Annex. The area will be secured to prevent the product from discharging into the sanitary sewer, storm drain, or the environment. The closure of the AST, OWS, and associated piping will be done in accordance with Environmental Protection Agency (EPA) Underground Storage Tank (UST) Regulations Title 40 Code of Federal Regulations (CFR) Part 280.71 and South Carolina Department of Health and Environmental Control (SCDHEC) Underground and Aboveground Storage Tank Regulations, R.61-92.

2.0 SITE DESCRIPTION

The Charleston Naval Complex Annex is located in North Charleston, South Carolina, on the Cooper River. This is approximately five miles north of the historical city of Charleston. The site of AST 2505 and OWS is located next to Building 2505 in Naval Annex-Zone K. Location of the project site map is shown in Figure 2-1.

3.0 PROTECTION OF NATURAL RESOURCES

STEP will preserve natural resources within the project boundaries. This will be achieved by the use of project procedures designed to minimize environmental impacts and restore areas that must be disturbed during the course of remedial activities.



Legend

Prepared By: STEP, Inc., Oak Ridge, TN
 Job Title: Tank Closure of Aboveground Storage
 Tank 2505 and Oil/Water Separator
 Removal, Charleston Naval Complex Annex
 Charleston, South Carolina

Figure 2-1 Project Site Map

3.1 Land Resources

Except in areas to be cleared, STEP will not remove or deface trees or shrubs without approval.

3.2 Tree Protection

STEP will protect existing trees that will remain after completion of work.

3.3 Replacement

STEP will restore landscape features damaged by equipment operations.

3.4 Temporary Construction

STEP will remove traces of temporary construction facilities such as haul roads, work areas, structures, foundations, and stockpiles of excess or waste materials.

4.0 PROTECTION OF HISTORICAL AND ARCHAEOLOGICAL RESOURCES

STEP will preserve and report to the Contracting Officer any historical or archaeological items or human skeletal remains discovered during construction activities. STEP will provide guidance and training to field operations management on the importance and requirements related to historical resource protection.

5.0 PROTECTION OF SURFACE SOIL, VEGETATION, AND SURFACE WATERS

5.1 Erodible Soils

All earthwork will be brought to a final grade, as specified in the delivery order. Side slopes and back slopes will be protected immediately upon completion of rough grading. Protection against erosion will prevent any sedimentation of nearby creeks or streams.

5.2 Mechanical Retardation and Control of Runoff

STEP will mechanically retard and control the rate of runoff from the site. This method includes building diversion ditches, benches, and berms as required to retard and divert runoff and protect drainage courses.

5.3 Vegetation and Mulch

If sufficient amounts of soil are exposed and require erosion control, STEP will provide temporary protection on side and back slopes as soon as rough grading is completed. Slopes will be protected by accelerating the growth of permanent vegetation, mulching, or applying netting material.

6.0 PROTECTION OF THE ENVIRONMENT FROM POLLUTION DERIVED FROM OPERATIONS

Solid wastes will be collected, placed in containers, and regularly emptied at intervals to prevent the attraction of rodents or disease vectors. Debris, garbage, and sewage will be disposed of according to procedures and requirements specified by a designated Navy POC and in compliance with applicable laws and regulations. Procedures for collecting and properly disposing of solid wastes are addressed in the Work Plan.

7.0 NOTIFICATION OF ENVIRONMENTAL OCCURRENCES

Environmental occurrences will be recorded and reported to the Remedial Project Manager for South Division Naval Facilities Engineering Command, Charleston, South Carolina (Mr. Gabriel Magwood (803) 820-73071). For an emergency or an occurrence involving a Comprehensive Environmental Response, Compensation, and Liability Act/Superfund Amendments and Reauthorization Act (CERCLA/SARA) reportable event (e.g., spill), the event will be reported to the National Response Center, [(800) 424-8802], as well as to the Contracting Office or their designee.

8.0 REFERENCES

EPA. *Criteria for Identifying the Characteristics of Hazardous Waste and Listing Hazardous Waste, 40 CFR Part 261.*

EPA. *Underground Storage Tank Regulations, 40 CFR Part 280.*

SCDHEC. *Underground and Aboveground Storage Tank Regulations, R.61-92.*