ENVIRONMENTAL PROTECTION PLAN

MOODY AIR FORCE BASE
CHILD DEVELOPMENT CENTER
VALDOSTA, GEORGIA

CONTRACT NO. W912HN-09-C-0053

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FOR:
US Army
Corps Of Engineers
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I. SCOPE

Slone Associates, Inc., along with our subcontractor(s), will furnish all labor, materials, and equipment necessary to perform all work required for the prevention of environmental pollution and the protection of environmental resources during, and as a result of, construction operations during the Child Development Center Project at Moody Air Force Base in Valdosta, GA.

Environmental pollution is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to man; or degrade the utility of the environment for aesthetic and recreational purposes. The control of environmental pollution will require consideration of air, water, and land, and involves noise control, solid waste management, and management of radiant energy and radioactive materials.

II. APPLICABLE REGULATIONS AND PUBLICATIONS

Slone Associates, Inc. and our subcontractor(s) will comply with all applicable Federal, State, and local laws and regulations concerning environmental pollution control and abatement during the performance of the contract. These laws and regulations include the following, where applicable to this specific project:

1. Clean Water Act (CWA)
2. Clean Air Act (CAA)
3. Coastal Zone Management Act (CZMA)
4. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
5. Endangered Species Act (ESA)
6. Fish and Wildlife Coordination Act (FWCA)
7. Marine Protection, Research, and Sanctuaries Act (MPRSA)
8. National Environmental Policy Act (NEPA)
9. National Historic Preservation Act (NHPA)
10. National Pollution Discharge Elimination System (NPDES)
11. Research and Sanctuaries Act
12. Native American Graves Protection and Repatriation Act (NAGPRA)
13. Resource Conservation and Recovery Act (RCRA)
14. Rivers and Harbors Act (R & H)
15. Safe Drinking Water Act (SDWA)
16. Toxic Substance Control Act (TSCA)
17. Wild and Scenic Rivers Act (WSRA)
18. Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
20. Executive Orders
21. Environmental Protection Agency (EPA) requirements
22. NEPA compliance measures specified in an Environmental Assessment (EA)
23. Environmental Impact Statements (EIS)

III. PERMITS & AUTHORIZATIONS

Slone Associates, Inc. and our subcontractor(s) will obtain required permits and will comply with the requirements of permits that have been obtained by the Engineer and/or Owner provided copies of any such owner-obtained permits are provided to the contractor prior to work start.

IV. NOTIFICATION & SUMMARY

Environmental Protection Plan
Moody AFB – Child Development Center (CDC)
Contract No. W912HN-09-C-0053
Date 01-22-2010
Upon receipt of written notification from the USACE of noncompliance with this plan’s provisions, Slone Associates, Inc. will inform the USACE of the proposed corrective action and take such action upon approval of the proposal.

V. TRAINING OF PERSONNEL IN POLLUTION CONTROL

Personnel will be trained in methods that include detecting and avoiding pollution, familiarization with pollution standards (both statutory and contractual), and installation and care of facilities to ensure adequate and continuous environmental pollution control. Supervisory personnel will be thoroughly trained in the proper use of monitoring, testing, and abatement equipment and will be thoroughly knowledgeable of Federal, State, and local laws and the regulations and permits listed in this Plan.

VI. PROTECTION OF ENVIRONMENTAL RESOURCES

A. Protection of Land Resources
   1. Disturbed Areas

   The purpose of erosion and sedimentation control is to prevent or minimize the discharge of pollutants in storm water runoff from all lands disturbed during construction activities by implementation of practices as described in this Plan. The Plan’s practices will be maintained by Slone Associates, Inc. and our subcontractor(s) until it has been determined that disturbed areas have been stabilized and/or the work required under this contract has been completed and accepted. The following specific measures will be taken to prevent or minimize runoff from disturbed areas:
   - Exposure of disturbed areas during construction will be minimized by limiting disturbances to those areas.
   - Vegetated buffer strips within the project area will be left undisturbed and maintained for as long as possible to lessen soil erosion and trap sediments transported into these areas. Storm water will be diverted by means of existing swales, ditches, and canals.

   2. Location of Field Offices, Storage, and Other Contractor Facilities
   - Field office will be located on existing paved area to minimize disturbance to vegetation.

   3. Disposal of Solid Waste
   - Solid waste generated from construction (excluding clearing debris) will be placed in roll-off containers and removed from the site. The transport and disposal of generated waste will be in compliance with all Federal, State, and local law requirements and regulations.

   4. Dispensing of Fuel
   - Not applicable to this project.

   5. Disposal of Chemical Waste
   - Refer to Section 10 of the Preconstruction Submittal.

   6. Disposal of Discarded Materials
   - Refer to Section 10 of the Preconstruction Submittal.
B. Preservation and Recovery of Historic, Archeological, and Cultural Resources

All items discovered during the course of construction activities that may have historical or archeological value will be reported immediately to the USACE. Slone Associates, Inc. will stop work on any activities that may result in the destruction of these items and will prevent its employees and subcontractor(s) from trespassing on, removing, or damaging these items.

C. Protection of Water Resources

Slone Associates, Inc. will keep construction activities under surveillance, management, and control to avoid pollution of surface and ground waters as a result of our construction activities.

1. Wastewater
   - There are no sanitary sewer lines in close proximity to the office trailer, therefore a temporary holding tank will be provided. The tank will be emptied not less than once a week.

2. Washing and Curing Water
   - The ready-mix concrete trucks will be washed out only in designated concrete washout areas. These concrete washout areas will be located such that migration of runoff into nearby canals, wetlands, and onto adjacent off site areas will be avoided. Concrete residue from this activity will be hauled away from the jobsite.

3. Oil, Fuel, and Hazardous Substance Spill Prevention and Mitigation
   - Slone Associates, Inc. will implement procedures to prevent oil, fuel, and other hazardous substances from entering the groundwater, the existing canals, and the new intake, spreader, collection and discharge canals. Procedures will also be established to contain and clean up spills should they occur.

The following substances will be used on this construction site:
- Motor oil
- Petroleum-based lubricants
- Diesel fuel & Gasoline
- Concrete curing compounds
- Form release agents
- Cementitious products such as concrete and grout
- Paint materials and associated thinners and solvents
- Other materials as may be identified

Preventive procedures will include the following:
- Inspection of all equipment entering the jobsite with specific attention to fuel and oil leakage.
- Enforcement of speed limits on the jobsite to avoid accidents and overturning of vehicles.
- Training and supervision of equipment operators to avoid overturning of fuel-bearing equipment.
- The use of non-petroleum-based oil and lubricants where possible.
• Training of personnel on the proper handling of substances and maintaining on-site copies of Material Safety Data Sheets (MSDS).

Containment and cleanup procedures will include the following:
• Training of personnel to identify and promptly notify supervisors of a spill.
• Training of personnel on the procedures to contain and clean up spills.
• Knowing how to use and where to obtain absorbent materials and containment devices.
• Identifying local specialty contractor for clean up and mitigation of larger spills.

D. Protection of Fish and Wildlife Resources

Slone Associates, Inc. will make reasonable efforts to avoid adverse impact to fish and wildlife encountered within the project limits. Adverse impact is defined as to harass, harm, or otherwise disturb fish and wildlife resources and their environment.

E. Protection of Air Resources

Slone Associates, Inc. will keep construction activities under surveillance, management, and control to minimize pollution of air resources. All activities, equipment, processes, and work operated or performed in accomplishing specified construction, will be in strict accordance with the applicable air pollution standards of the State of Georgia and all Federal emission and performance laws and standards. In addition, no burning of construction-generated materials will be allowed and such disposal will be performed in accordance with the same standards previously mentioned.

F. Protection of Sound Intrusions

Slone Associates, Inc. will make reasonable efforts to minimize noise as a result of construction activities. Proper mufflers and noise reducing devices for equipment on site will be maintained at all times IAW the current edition U. S. Army Corps of Engineers Safety and Health Manual (EM 385-1-1). If required, noise reducing enclosures will be used for de-watering pumps in operation after normal working hours.

VII. Post Construction Cleanup

Upon project completion at each site, all construction generated debris and waste will be removed. Disturbed areas will be graded and seeded for restoration and any construction signage will be removed from the jobsite.

VIII. Responsibility for Implementing Plan

Slone Associates, Inc. project superintendent, Perry Hood, will be responsible for implementation of this Plan. He will have the authority to act for the company on all environmental protection matters. A copy of this plan will be provided to all company supervisory personnel and to all subcontractor(s) performing work on site.