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JEB FORT STORY, VA
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SITE SAFETY AND HEALTH PLAN (SSHP) FOR 80TH DIVISION LIGHTER AMPHIBIOUS
RESUPPLY CARGO (LARC) 60 AREA FORT STORY VA
5/11/1994
ENVIRONMENTAL RESTORATION COMPANY

**SITE SAFETY AND HEALTH PLAN
(SSHP)**

Site Name: 80th Division LARC 60 Area, Building 1032'
 Location: Fort Story, Virginia
 Plan Prepared By: Jeff Coron/Carla Shackelford Date: 5/4/94
 Plan Reviewed By: Andrew Harrison Date: 5/4/94
 Approved By: Andrew Harrison Title: Director of Operations

Affiliation: All persons preparing and reviewing this report are employees of Environmental Restoration Company

Version: Original Revision dated:

Safety and Health Program Certification: This Safety and Health Program meets the requirements of OSHA standard 1910.120 and U.S. Army Corps of Engineers Safety and Health Requirements has been provided for your review.

Signature: *Andrew Harrison*
 Title: *Director of Operations*
 Date: *5-11-94*

SITE DESCRIPTION AND CONTAMINATION CHARACTERIZATION:

SITE TYPE (Check as many as applicable):

Active Landfill Residential Recreational
 Inactive Industrial Agriculture Natural Area
 Secure Commercial Military Unknown
 Unsecured Other (Specify): Construction

SURROUNDING POPULATION:

Residential Industrial Urban
 Rural Other (Specify): Military Base

DESCRIPTION OF ON-SITE ACTIVITIES:

Preliminary Assessment (PA) Pre-Design
 Site Inspection (SI) Remedial Design (D)
 Remedial Investigation (RI) Remedial Action (RA)
 Feasibility Study (FS) Other (Specify):

Installation of 6 groundwater monitoring wells, soil and groundwater sampling

PREVIOUS SAMPLING RESULTS/ANALYSES:

Petroleum hydrocarbons, lead, and other metals contamination is known to be present at the site. Fuel oils, gasoline, and solvents may be present from washing and maintaining craft.

HAZARD ASSESSMENT AND RISK ANALYSIS:

HAZARD EVALUATION: (check all that apply)

- | | | |
|---|---|--|
| <input type="checkbox"/> Heat Stress | <input type="checkbox"/> Cold Stress | <input checked="" type="checkbox"/> Noise |
| <input type="checkbox"/> Oxygen Deficiency | <input type="checkbox"/> Radiological | <input type="checkbox"/> Biological |
| <input checked="" type="checkbox"/> Organic Chemicals | <input type="checkbox"/> Inorganic Chemicals | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Explosion/Flammable | <input checked="" type="checkbox"/> Falling Objects | <input type="checkbox"/> Electrical |
| <input type="checkbox"/> Confined Spaces | <input type="checkbox"/> Dangerous Wildlife | <input checked="" type="checkbox"/> Other (Specify): |

Slip, trip, and fall

OVERALL HAZARD EVALUATION:

- High Medium Low Unknown

Description: Petroleum hydrocarbon, lead and other metals contamination is known to be present on the site.

Nature of Hazards:

Air: Organic compounds may volatilize during sampling and may be inhaled by investigating personnel.

Soil: Possible contact with skin may lead to absorption and ingestion of contaminants.

Groundwater: Groundwater contact is expected during drilling and sampling events. Contact with skin may lead to absorption and ingestion.

Proper procedures/controls will minimize potential for exposure or ignition.

Source of Information: Montgomery Watson Site Assessment report provided by client.

Completeness of information: Partial - Preliminary soil contaminant data has been provided. This Site, Risk and Remediation Assessment will be performed to determine possible groundwater contamination and characterize the extent of the contamination.

Historical Readings/Results at the Site: Montgomery Watson preliminary soil study has been reviewed.

PROTECTIVE EQUIPMENT IDENTIFICATION (Specify by task; indicate type and/or material, as necessary):

LEVEL: A B C D MODIFIED

USE: PRIMARY CONTINGENCY

Respiratory Protection: Not Needed

SCBA/ Airline respirator with egress

APR

Cartridge: _____

Escape Mask _____

Other: OVA or PID air monitoring equipment

Protective Clothing: Not Needed

Encapsulating Suit _____

Splash Suit _____

Apron _____

Tyvek-type Coveralls

Saranex-type Coveralls:

Other: Work Clothes

Head & Eye Protection: Not Needed

Safety Glasses Face Shield Goggles

Hard Hat Other:

Foot Protection: Not Needed

Safety Shoes/Boots

Chemical-Resistant Boots: _____

Overboots: _____

Hand Protection: Not Needed

Undergloves: Latex

Gloves: Leather

Overgloves: _____

Other (Specify below):

If OVA or PID measurements in the breathing zone exceed 5 ppm for more than 5 minutes, work will stop to allow vapors to dissipate.

The immediate area around the drill rig will be roped off to keep unnecessary personnel away from the drill rig and possible hazards.

SITE PERSONNEL AND RESPONSIBILITIES: (Names/Responsibilities)

Project Manager: Jeff Coron

Responsible for overseeing administrative items, coordinating with site supervisor and interfacing with contracting officer in regard to contract modifications, documentation, certifications, notifications and invoicing.

Site Supervisor: Jeff Coron

Responsible for coordination with the designated inspector and submitting daily reports, manifests and all other pertinent on site paperwork. The site supervisor will coordinate with all subcontractors for deliveries as well as services to be rendered. In the absence of supervisor the alternate will fulfill these functions.

Site Safety & Health Officer: Jeff Coron

Responsible for holding weekly job site safety meetings to which the construction inspector will be invited, and maintaining a safe work environment. The site safety and health officer will be on site at all times while work is being performed. In the absence of the safety officer the alternate will fulfill these functions. Also responsible for overseeing air monitoring.

TRAINING:

The Site Safety & Health officer has completed the training required by 29 CFR 1910.120 (e). Additionally, the Site Safety & Health Officer shall inform personnel before entering work zone of the contents of this SSHP and site-specific hazards and procedures. A copy of this SSHP will be kept on-site during work activities.

SAMPLING EQUIPMENT DECONTAMINATION:

Wash soil augers and sampling equipment after each sampling event with deionized water and a biodegradable surfactant.

CONTAINMENT OF DECON WASTES AND DISPOSAL METHOD:

Soil cuttings will be placed into 55 gallon drums and stored on-site on wood pallets pending analysis.

Well water collected during sampling will be placed in a 55 gallon drum and stored on-site on wood pallets pending analysis.

Soil and water will be disposed of as per the contract specifications.

EMERGENCY RESPONSE PLAN: Specify the procedures to be implemented as required by 29 CFR 1910.120(1)(1)(ii)

EMERGENCY RESPONSE PLAN

Emergency phone numbers, route maps, and information will be posted on site. This will include the fire department, ambulance, hospital, and police.

Daily, prior to beginning work a tailgate safety meeting will be conducted and the following site specific issues will be reviewed:

- Individual responsibilities and chain of command (highest ranking able employee directs and commands the response)
- Prevention and recognition of emergencies (any employee may stop work or sound alarm if an emergency is recognized)
- Evacuation routes safe distances and places of refuge (proceed to nearest access point, typically up wind)

MEDICAL EMERGENCIES

Medical emergencies take priority over all other procedures. Action to be taken will be as follows:

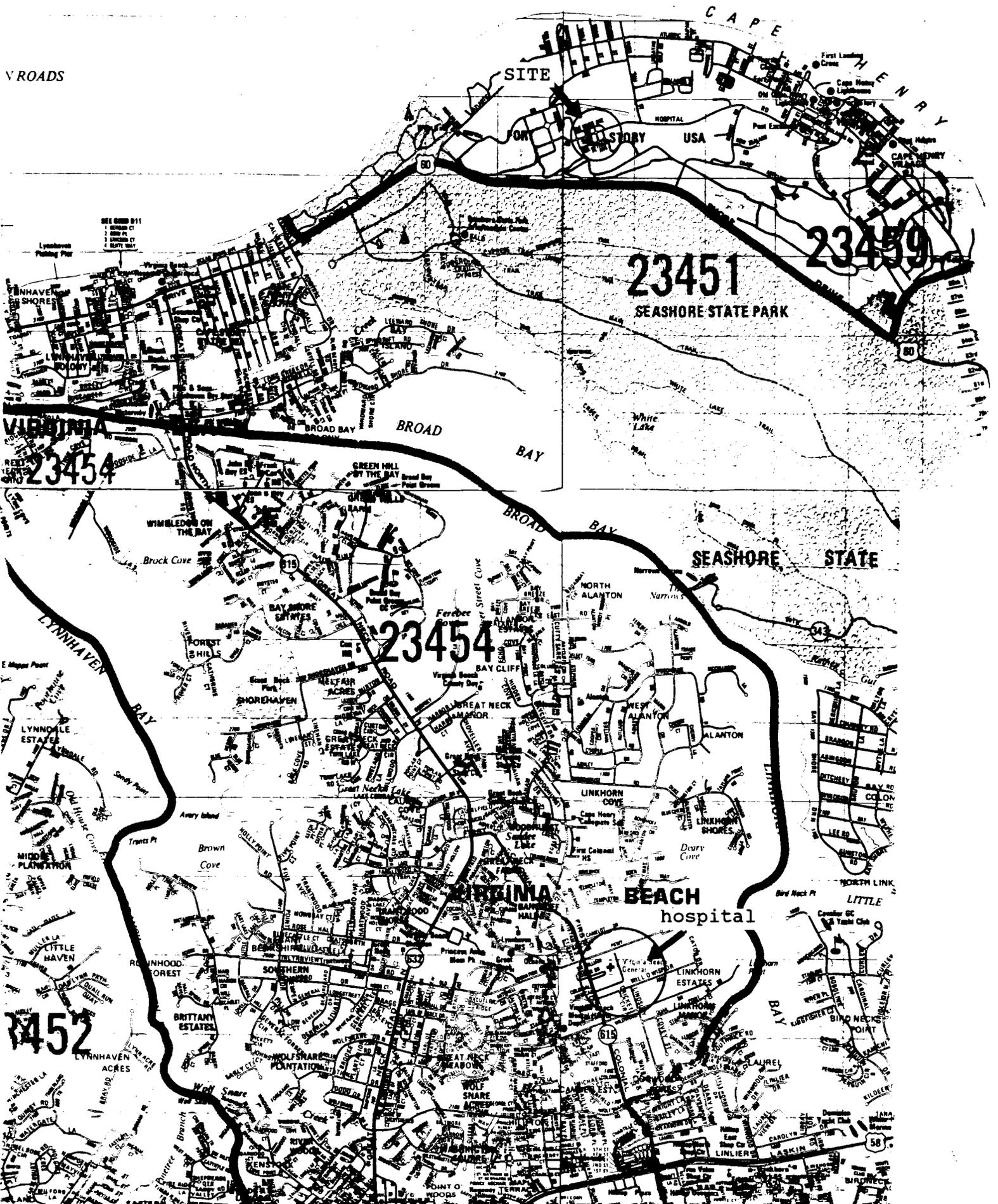
- Sound the alarm by hand-held radio or most expedient means possible.

- The on-site first-aiders shall assist the victim as necessary.
 - If victim can be safely moved, remove the person from any hazardous area. Perform emergency decon if necessary. Remove personal protective equipment if possible. Cut off protective clothing, if necessary.
- If victim cannot be safely moved or if on-site personnel doubt that the victim can be safely moved, the following actions will be taken:
 - Contact local emergency services
 - Identify location
 - Relay victim's name and type of injury: e.g. back injury, broken arm, unconsciousness, bleeding
 - ERC personnel will stand by at the site to direct and assist the rescue team to the injured person

FIRE EMERGENCY

ERC personnel are not trained professional fire fighters. If there is any doubt that a fire cannot be quickly extinguished, ERC will exit the area and sound the alarm. Note that protective clothing worn to prevent chemical contact is totally inappropriate for fire fighting.

V ROADS



23451

23459

SEASHORE STATE PARK

VIRGINIA
23454

23454

23452

BEACH hospital

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SPILL RESPONSE

Upon the event of a potentially hazardous materials spill, the Site Safety Office shall act as the Spill Response Coordinator until the Fire Department arrives on-site. The following spill response activities will be followed:

- Provide first-aid to all persons requiring attention
- Remove all possible sources of ignition. Shut off motors, engines
- Contact the Fort Story Fire Department (#17)
- Contain spilled material with soil, sand or bentonite
- Block spill from entering surface inlets
- Remove all unnecessary personnel from area

Spill Response equipment required:

- Fire extinguisher
- Shovel
- Sand (on-site), bentonite

Spill Response Reporting Information required:

- Site address
- Date, time, and type of incident
- Name and quantities of materials involved
- Extent of injuries, if any
- Assessment of actual or potential hazards to human health and the environment
- Estimate quantities and disposition of recovered materials