

**JOB HAZARD ANALYSIS**

**Task: Clean Sump in janitorial closet**

**Project Number: 839134**

**JHA No.: SA32-003**

**New**

**X**

**Revised**

**Subcontractor Name: SHAW E & I**

**Lower Tier Subcontractor: Abel mechanical and Insulation**

**Job Location: SA32-Sterling, VA**

**Date: 10-04-02**

**JHA Team Members:** Marcos Mateus, Gerald Bowers, Danny Wallace, Cleon Harvey, Matthew Fedowitz. All affected site workers will review, be allowed to incorporate appropriate comments, and document that they understand and will abide by the AHA during a training session prior to initiating work on the subject tasks.

**Training Requirements:**

Site Specific as per ES&H Plan

**Initial PPE:** Level C.

**Tools and Equipment:** Equipment may include, but is not limited to, sump pump, tubing, 55 Gallon drum, harness and lanyard, level C PPE, and various hand tools for scraping and cleaning the inside of the sump.

**Approved:**

Manager Signature \_\_\_\_\_

Date \_\_\_\_\_

H & S Rep Signature \_\_\_\_\_

Date \_\_\_\_\_

**Description of Work:**

**The crew will lower the sump pump into the sump in the janitorial closet and suck out all liquids found there. They will then scrape out any solids found inside. When they are done scraping the inside, they will clean the rinse sink in that room as well.**

**Job Task-Put sump pump into the sump and suction out all fluids contained inside then clean out rinse sink.**

JOB TASK	Potential Hazards	Critical Safety Practices
<b>Clean Sump in janitorial closet</b>	Inhalation and Contact with Biological Materials	<ul style="list-style-type: none"> <li>• Provide workers proper skin, eye and respiratory protection based on the exposure hazards present.</li> <li>• Assume materials and surfaces are contaminated.</li> <li>• Review potential hazardous properties of anthrax exposure.</li> <li>• All personnel must be clean-shaven.</li> <li>• Inspect each person for any tears or rips in the PPE regularly.</li> <li>• Use the buddy system.</li> <li>• Clearly delineate the work area to keep all unauthorized people out of the immediate work area.</li> </ul>
	Inhalation and Contact with Hazardous Substances, & Splashes	<ul style="list-style-type: none"> <li>• Provide workers proper skin, eye and respiratory protection based on the exposure hazards present.</li> <li>• Review hazardous properties of site contaminants with workers before operations begin.</li> </ul>
	Slips, Trips, Falls	<ul style="list-style-type: none"> <li>• Clear walkways, work areas of equipment, tools, carts and debris.</li> <li>• Mark, identify, or barricade other obstructions.</li> <li>• Clean up liquid spills immediately.</li> <li>• Evaluate fall hazards above 4 ft.; use fall protection equipment (harness/lanyard), standard guardrails or other fall protection systems when working on elevated platforms above 6 ft.</li> <li>• Hook up these lanyards before reaching into the sump to clean it out.</li> <li>• Watch footing on wet surfaces.</li> </ul>
	High Ambient Temperature	<ul style="list-style-type: none"> <li>• Employees shall be protected from exposure to heat and cold by complying with Paragraphs 5.6 and 5.7 of the ES&amp;H Plan.</li> <li>• Provide fluids to prevent worker dehydration.</li> </ul>
	Sharp Objects	<ul style="list-style-type: none"> <li>• Be alert for sharp points and edges. Wear cut resistant work gloves when sharp edges or objects may cause the possibility of lacerations or other injury.</li> <li>• Be alert not to rip or cut suit while reaching into sump to clean it.</li> <li>• Never use a knife as a pry bar or screwdriver.</li> <li>• Don't use a dull blade; replace or have sharpened prior to use.</li> </ul>
	Caught In/ Between Moving Parts	<ul style="list-style-type: none"> <li>• Identify and understand parts of sump that may cause crushing, pinching, rotating or similar motions.</li> <li>• Assure guards are in place to protect from these parts of equipment during operation.</li> <li>• Provide and wear proper work gloves when the possibility of pinching, or other injury may be caused by moving cap to sump or scraping on the inside of it.</li> </ul>
	Inadequate Training or Medical Surveillance	<ul style="list-style-type: none"> <li>• All personnel shall be provided site-specific training prior to engaging in anthrax related field activities. This training will consist of a review of the Site Safety and Health Plan (SSHP) and JHA's for each in job task.</li> <li>• All personnel shall meet OSHA HAZWOPER training and medical requirements.</li> <li>• A tailgate safety meeting will be conducted prior to each shift.</li> </ul>

JOB TASK	Potential Hazards	Critical Safety Practices
	Emergency Situations	<ul style="list-style-type: none"> <li>• Identify emergency response providers/hospitals.</li> <li>• Verify emergency numbers and hospital route prior to initiating site activities.</li> <li>• Follow the direction of your DOS representative during an emergency situation within the facility.</li> <li>• Air actuated horns will be used to alert personnel of emergencies (three intermittent bursts).</li> <li>• Arrows will be installed inside the containment indicating direction to exit.</li> </ul>
	Hazard Communication	<ul style="list-style-type: none"> <li>• Review MSDS's and follow recommended guidelines.</li> </ul>
	Incorrect PPE	<ul style="list-style-type: none"> <li>• The PPE required for work within the EZ, and decontamination activities (both facility and enclosure) will be level C PPE and will include; Full face respiratory protection (PAPR), P100 filtering element, latex boot covers over steel toed boots, two pairs of nitrile gloves, disposable coverall/scrub (inner), one hooded {polycoated when using decontamination fluids} tyvek coverall (outer), duct tape all openings paying special attention to the interface between the respirator and the hood.</li> </ul>
	Power Outage	<ul style="list-style-type: none"> <li>• Flashlights will be maintained within the containment to assist personnel egress.</li> <li>• If a power outage occurs all critical barriers will be immediately sealed to prevent a breach in containment. This sealing activity will begin at the farthest point from the CRZ. Once personnel reach the CRZ and complete the decontamination process the z-flap will be sealed.</li> <li>• No entries into the containment will be permitted until power is restored.</li> </ul>
	Potential Anthrax Exposure	<ul style="list-style-type: none"> <li>• Report any signs or symptoms of anthrax exposure to your supervisor immediately.</li> <li>• Dr. Burke of Health Resources shall also be notified immediately @ (800) 350-4511.</li> <li>• Personnel will be offered a prophylactic regimen of antibiotics prior to engaging in decontamination activities. Due to reported levels of contamination, this regime is not mandatory for this decontamination activity. To obtain an antibiotic prescription complete the antibiotics request questionnaire and fax it to Andrew Johnson @ (513) 782-4807.</li> </ul>
	Lighting	<ul style="list-style-type: none"> <li>• Adequate lighting will be provided to ensure a safe working environment.</li> </ul>
	Pinch Points	<ul style="list-style-type: none"> <li>• Review equipment adjustment procedures, identify pinch points.</li> <li>• Isolate/block pinch points to limit motion when scraping sump or removing cap to sump.</li> <li>• Stay alert at all times.</li> </ul>