

JOB HAZARD ANALYSIS

Task: Using Chop Saw

Project Number: 839134

JHA No.: SA32-004

New

X

Revised

Subcontractor Name: SHAW E & I

Lower Tier Subcontractor: Abel mechanical and Insulation

Job Location: SA32-Sterling, VA

Date: 10-10--02

JHA Team Members: Matthew Fedowitz, Marcos Mateus, Danny Wallace, and Curt Tucker. 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: Modified Level C. Additional equipment includes leather work apron and leather welding gloves.

Tools and Equipment: Tools employed may include, but are not limited to, Partner Chop Saw, leather gloves, leather apron, and particle blades.

Approved:

H & S Rep Signature _____

Date _____

Description of Work:

Using chop saw to cut various carts and racks made from wood and metal.

Job Task # 1- Using chop saw to cut various carts and racks made from wood and metal.

JOB TASK	Potential Hazards	Critical Safety Practices
Using Chop Saw on metal and wood.	Inhalation and Contact with Biological Materials	<ul style="list-style-type: none"> • Assuming that the material being cut is contaminated, all workers will wear proper skin, eye and respiratory protection based on the exposure hazards present. • Review potential hazardous properties of anthrax exposure. • All personnel must be clean-shaven. • Inspect each person for any tears or rips in the PPE regularly. • Use the buddy system. • Clearly delineate the work area to keep all unauthorized people out of the immediate work area.
	Inhalation and Contact with Hazardous Substances, & Splashes	<ul style="list-style-type: none"> • Provide workers proper skin; eye and respiratory protection based on the exposure hazards present. • Review hazardous properties of site contaminants with workers before operations begin. • All personnel participating in this event must use additional PPE to include, but is not limited to, leather apron and gloves.
	Slips, Trips, Falls	<ul style="list-style-type: none"> • The crewmember will only be on the ground when using the chop saw. • Clear walkways, work areas of equipment, tools, carts and debris. • Keep cords out of walkways. When this cannot be accomplished, they will be taped down. • Watch footing on wet surfaces.
	High Ambient Temperature	<ul style="list-style-type: none"> • Employees shall be protected from exposure to heat and cold by complying with Paragraphs 5.6 and 5.7 of the ES&H Plan. • Provide fluids to prevent worker dehydration.
	Handling Heavy Objects	<ul style="list-style-type: none"> • To use and lift chop saw, grip firmly and lift with the legs, keeping the back as straight as possible. • Always hold the cut off saw with both hands while the motor is running. Use a firm grip with thumbs and fingers encircling the handles. Keep all parts of your body away from the cut-off wheel when the motor is running. • Some fundamental principles of proper lifting include considering the size, shape, and weight of the object to be lifted. • The hands and the saw handle should be free of dirt or grease that could prevent a firm grip. • Objects must be inspected for metal slivers, jagged edges, burrs, and rough or slippery surfaces. • Fingers must be kept away from points that could crush or pinch them, especially when putting an object down. • When putting an object down, the stance and position are identical to that for lifting; the legs are bent at the knees, and the back is straight as the object is lowered. • Obey sensible lifting limits (60 lb. Maximum per person manual lifting).

JOB TASK	Potential Hazards	Critical Safety Practices
	Sharp Objects	<ul style="list-style-type: none"> • Be alert at all times when using chop saw. • Do not permit anyone to stand close to the cut-off saw when it is running. . • Be alert for sharp points and edges. Cutter and assistant will wear leather apron and gloves. • Keep guards in place during use.
	Electrical Shock	<ul style="list-style-type: none"> • Supervisor will ensure all sources of hazardous energy are locked out before any cutting is to begin. The site safety officer or assistant shall be present during all cutting operations. • Disconnect tools before servicing, when changing wheels, and when not in use. • Never use chop saw in wet areas. • Follow Lock out-Tag out procedures in accordance with IT Health and Safety Procedures # HS315.
	Caught In/ Between Moving Parts	<ul style="list-style-type: none"> • Identify and understand parts of equipment that may cause crushing, pinching, rotating or similar motions. • Assure guards are in place to protect from these parts of equipment during operation. • Provide and wear proper work gloves when the possibility of pinching, or other injury may be caused by moving/ handling large or heavy objects. • Maintain all equipment in a safe condition. • Keep all guards in place during use.
	High Noise Levels	<ul style="list-style-type: none"> • Field personnel, at the direction of the ES&H Representative, shall use hearing protection when sound levels exceed 85 dBA. • All crewmembers will wear hearing protection while performing all cutting operations. • Any crewmembers not assisting in cutting will remain outside a 50-foot radius of work area.
	Fire/ Explosion	<ul style="list-style-type: none"> • Eliminate sources of ignition from the work area. • Do not use the particle blade as a grinding tool. • Do not use carbide tipped wheels • Provide ABC (or equivalent) fire extinguishers in all work areas where cutting is taking place.
	Equipment failure	<ul style="list-style-type: none"> • Perform daily maintenance inspections on operating equipment.
	Emergency Situations	<ul style="list-style-type: none"> • Identify emergency response providers/hospitals. • Verify emergency numbers and hospital route prior to initiating site activities. • Follow the direction of your DOS representative during an emergency situation within the facility. • Air actuated horns will be used to alert personnel of emergencies (three intermittent bursts). • Arrows will be installed inside the containment indicating direction to exit.
	Incorrect PPE	<ul style="list-style-type: none"> • 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 / organic vapor 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.

JOB TASK	Potential Hazards	Critical Safety Practices
	Power Outage	<ul style="list-style-type: none"> • Flashlights will be maintained within the containment to assist personnel egress. • 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. • No entries into the containment will be permitted until power is restored.
	Lighting	<ul style="list-style-type: none"> • Adequate lighting will be provided to ensure a safe working environment.
	Pinch Points	<ul style="list-style-type: none"> • Review equipment adjustment procedures, identify pinch points. • Isolate/block pinch points to limit motion when inserting pins, fasteners, closing tackles. • Keep hands, fingers, and feet clear of moving/suspended materials and equipment. • Stay alert at all times.