JOB HAZARD ANALYSIS FORM

**COMPLETE BEFORE BEGINNING WORK**

|  |  |  |  |
| --- | --- | --- | --- |
| **(1) JOB INFORMATION** | | | |
| Date: 8/17/23 | Job # (If Applicable): | Task Name/Description: Abrasive sand blasting tasks (Open/non-cabinet contained) | |
| Department: | | Supervisor: | |
| **(2) JOB/TASK STEPS (Most jobs require 5-10 basic steps)** | | | |
| **Basic Job Step** | **Hazard(s) – (See Sections 3 or EHS Hazard Report)** | **Correct/Safe Work Practice and Hazard Controls/PPE (See Section 4 or EHS Hazard Report)** | |
| Perform preoperational check | * None anticipated | * Inspect air compressor, blast vessel, valves, hoses, pipes, wires, fittings, gloves, and blast nozzle for damage per manufacturers guide and do not use it if damaged. * If wiring is damaged, mark as damaged and do not use until repairs have been completed. * Inspect to ensure no damage to hose/suction gun or compressed air container. * Ensure area around worksite is clear. | |
| Prep area and work item | * None anticipated | * Cover surrounding areas with thick drop clothes and/or tarps to protect from and contain blasting media. * Position and or secure work item(s) for effective blasting. | |
| Prep blasting equipment. | * Abrasion hazard * Lifting hazard | * Fill blasting bucket with sandblasting media and select the lowest pressure for the compressed air source that will still get the job done * Use proper lifting technique: Bend knees, keep back straight, use both hands entirely, and team lift if required. * Wear proper eye protection sufficient to protect against media. | |
| Operate blasting gun | * Compressed air * Flying debris (eye and body) * Noise hazard * Static build-up/discharge | * Don PPE: thick clothing including gloves. Eye and ear (impact or hearing) protection, face shield. To determine if hearing protection is required, contact EHS to schedule a noise level test. * Blast at least 5 inches from the surface. * Never direct blasting tip at yourself or another individual, (even without blasting media present) * Use equipment as instructed by the manufacturer’s guide or supervisor/shop supplied procedural training * Stand only on uninsulated material to avoid static buildup * Install a grounding wire from the gun assembly. * If processing a work item on an insulating mat is necessary, use a grounding wire from the work item to the gun for proper grounding. | |
| Clean materials and area | * Slip, trip, fall * Lifting hazard | * Wear slip resistant shoes. * Use proper lifting technique: Bend knees, keep back straight, use both hands, and team lift if required. | |
| **Required Training: - PPE Training**   * **Equipment specific training (provided by department)** * **Safe lifting** * **Hearing conservation training (if deemed necessary)** | | | **PPE: - Hearing protection (if deemed necessary)**   * **Slip resistant shoes** * **Thick clothing including gloves** * **Eye protection sufficient to protect against flying debris and media** |