JOB HAZARD ANALYSIS FORM

**COMPLETE BEFORE BEGINNING WORK**

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| **(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.
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| 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.
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| 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.
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| 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.
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| 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.
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| **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**
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