

Job Hazard Analysis

JHA Name: Abrasive Blasting Cabinet

Assessment Date: 12-18-13

Revision Date: 04-04-17

Building or Location: North Mankato Campus

Department or Program:

Description of Individual Tasks or Assignments:

	Hazard Type(s) Associated with Task or Assignment:	Check for Exposure:
1	Impact	X
2	Penetration or Cut	
3	Crush or Pinch <u>Example:</u> An object(s) or equipment/machine may crush or pinch a body or body part	
4	Chemical or Harmful Dust <u>Example:</u> Exposure to chemicals (i.e., hazardous substances and harmful physical agents), infectious agents from spills, splashing, physical contact, and/ or exposure to dusts, vapors, fumes, or gases that could cause illness, irritation, burns, asphyxiation, breathing/vision difficulty, sensitization, infection, or other toxic health effects (i.e., acute or chronic). Note: "May also have or create ignition potential."	X
5	Heat <u>Example:</u> Exposure to radiant heat sources, sparks, and splashes or spills of hot material	
6	Light (optical) Radiation <u>Example:</u> Exposure to strong light sources, glare, or intense light exposure which is a byproduct or a process. Note: "This category may also include hazards presented from lack of light (e.g., working in dark spaces/areas)."	
7	Electrical Contact	
8	Ergonomic/ Human Factors <u>Example:</u> Working in cramped spaces, repetitive movements, awkward postures, vibration, heavy lifting, etc... Note: "This category may also include unique hazards presented from tasks that require demanding or challenging degrees of mental and/or physical effort to be exerted by an individual. See <u>Physical Effort Definition/Examples</u> category for further explanation of physical effort."	
9	Environmental <u>Example:</u> Exposure to noisy environments, hot or cold work environments, poor weather conditions, working at a height, and any other conditions in the workplace that could cause danger, discomfort, and/or negative health effects.	X

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Description of Individual Tasks or Assignments:

Abrasive Blasting Tasks (e.g., Smoothing or Roughening Surfaces, Removing Paint and Contaminants, Shaping Material, Glass Etching, etc...).

Tools, Equipment, or Machinery Used when Performing Task:

Abrasive Blasting Cabinet, and Abrasive Blast Materials

Personal Protective Equipment Requirements:

Hands: Abrasive Blasting Cabinet Gloves- "attached to cabinet" (Required when operating Abrasive Blast Cabinets)

Respiratory: 1/2 Mask Respirators (Required when working in areas of where hazardous contaminate levels exceed OSHA PELs and When Cleaning or Adding Abrasive Media to Cabinet)

Other:

Other Control Measures or Requirements (Engineering & Administrative Controls):

#1) Impact Hazards: Never point an abrasive nozzle/gun or direct its stream towards yourself. **#4) Chemical or Harmful Dust Hazards:** Personnel should receive Right-to-Know training (e.g., regarding chemical & physical hazards). SDS should be provided/available for all hazardous chemicals. Local Exhaust Ventilation (LEV) should be provided/maintained on abrasive blast cabinets. Respirators are available for personnel experiencing respiratory discomfort from dust generated; however, personnel (desiring to use respirators) and personnel required to wear respiratory equipment should receive a medical evaluation, Respirator training and retraining. On-site (at the abrasive blast cabinet) 's (uld re)is) (n cle) (cabasiv) (e) (blast cabinet) (s. 's) (uld re)is) (n cle) (cabasiv) (e) (blast cabinet) (o) (sic) (cab)]TJETBT/F 8/1 0 0 1 393

Physical Effort Definition/Examples

1.) Physical Mobility- Movement from place to place on the job, considering distance and speed **2.) Physical Agility-** ability to maneuver body while in place or in static position **3.) Physical Strength (Light to Moderate)-** Ability to handle routine office materials and tools **4.) Physical Strength (Moderate to Heavy)-** Ability to handle 50lbs+ objects, considering frequency **5.) Dexterity-** skill and ability in using hands, fingers, and feet **6.) Physical Balance-** ability to maintain balance and physical control **7.) Coordination-** harmonious functioning of body parts (e.g., eye/hand, hand/foot, etc...) **8.) Endurance-** ability to sustain a prolonged stressful effort or activity with limited opportunity to rest

Name:

Date: