

Sheet Metal Building Trades CHA

CHPRC Craft Specific Safety Hazards Analysis

Version 4, 7/13/2017

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1.0 INTRODUCTION

1.1 Purpose

This hazard analysis applies to any Sheet Metal Building Trades employed by CH2M HILL Plateau Remediation Company, CHPRC, or Other Hanford Contractor, OHC, performing general craft specific work activities for CHPRC. The Craft Specific Hazard Analysis (CHA) covers general work activities performed routinely with limited, or no, work instructions and applies to those hazards that are not normally covered in work instructions or technical procedures.

1.2 Scope

The CHA lists, by craft discipline, the hazards each craft person may be exposed to while performing work within their positions defined by the Building Trades Contract. Craft members, by discipline, are trained and experienced to recognize and mitigate those hazards consistent within the skills of their discipline.

This hazard analysis covers the Sheet Metal Building Trades performing general craft specific work activities. This hazard analysis is used in conjunction with the General Industrial Hazards Analysis document, and does not cover the environment in which these activities may be performed.

1.3 Applicability

Every CHPRC employee is expected to work safely and to maintain a safe work environment. The GHA and CHA documents identify the control measures for routine industrial hazards common to the core activities of the workers' assigned job position.

This hazard analysis is to be used in conjunction with PRC-WKM-PRO-079, Job Hazard Analysis, and Appendix B. After reviewing the work scope, location, and the hazards involved, an evaluation is made to determine if this hazard analysis adequately bounds the work activity and can be considered skill-based.

2.0 RESPONSIBILITIES

The tasks listed are examples of the variety and general nature of duties performed by a Sheet Metal Building Trades. The list is descriptive only and should be used for no other purpose. It is not intended that any position include every duty listed nor is it intended that related duties cannot be required.

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3.0 HAZARDS

Activity / Hazard	Control
Adjacent to and/or over Water Hazards	<p>Place barricades to prevent accidental falling.</p> <p>Use safety nets or use/install another active or passive means of fall protection</p> <p>Life jackets are required where safety nets or another positive means of fall protection are not provided.</p> <p>Personal fall-arrest systems may be used for this purpose, provided the fall-arrest system is worn continuously while the worker is exposed to the water hazard</p> <p>U.S. Coast Guard-approved life jacket or buoyant work vest</p> <p>Ring buoys with at least 90 feet (27.4 m) of line must be provided and readily available for emergency rescue operations</p>

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Activity / Hazard	Control
<p>Hot Work</p> <p>(Includes electric arc, oxy-fuel gas welding/cutting operations, heavy grinding, brazing, light grinding, tig or mig welding, or similar activities)</p>	<p>Check the MSDS/SDS for product contents before welding</p> <p>Verify a designated trained fire watch has been assigned</p> <p>Flame/fire retardant personal protective equipment</p> <p>Wear proper PPE for the task (previously IH approved - i.e. leather gloves, protective coveralls, leathers or FR rated clothing, protective goggles, respirator, and hoods)</p> <p>Remove the paint/coating at least 4 inches (10.2 cm) in every direction from the hot work</p> <ul style="list-style-type: none">• When grinding wear face shield and safety glasses• Verify testing of paint for lead prior to removal <p>Inspect all leads, tools and equipment prior to use</p> <p>Physically ensure that the grounding lead has a good connection before you start welding</p> <p>Hot Work Permit - Follow applicable Hot Work Permit issued for work to be performed and have permit available for review</p> <p>All flammables/combustible material shall be kept clear of hot work areas</p> <p>Perform housekeeping regularly to prevent the build-up of flammables/combustibles (cardboard boxes, paper, etc.)</p> <p>Utilize "flash-shields" when other employees or visitors may be exposed to grinding activities or ultra-violet rays (from welding arc)</p> <p>Verify adequate ventilation/local exhaust is in use for welding, cutting, and burning operations, as specified by Industrial Hygiene. Verify cross ventilation does not interfere with capture of local exhaust</p> <p>When possible, position work so that worker is upwind of welding fumes</p>