

LABORER, BUILDING TRADES CHA

CHPRC Craft Specific Safety Hazards Analysis

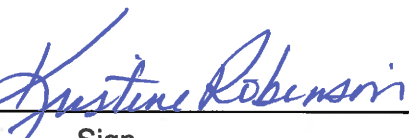
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Kim Bautch  7-13-17

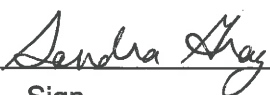
Print Sign Date

Building Trades Safety Reviewed

Kristine Robinson  7/13/17

Print Sign Date

Industrial Safety Reviewed

SANDRA GRAY  07/18/2017

Print Sign Date

Work Management Approval

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1.0 INTRODUCTION

1.1 Purpose

This hazard analysis applies to any Laborer, 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 their discipline.

This hazard analysis covers the Laborer, 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, 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 Laborer, 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
<p data-bbox="201 370 541 435">Hoisting and Rigging operations</p> <p data-bbox="201 464 541 561">DOE-RL-92-36 Hanford Site Hoisting and Rigging Manual</p>	<p data-bbox="569 370 1524 402">Verify a Designated Leader (DL) has been assigned for each H&R activity</p> <p data-bbox="569 431 1289 464">Only assigned craft will work inside a critical lift fall zone</p> <p data-bbox="569 493 1098 526">Use a trained spotter/flagman/signalman</p> <p data-bbox="569 555 1430 587">Erect barricades for crane work areas and rotating superstructures</p> <p data-bbox="569 617 1220 649">Ensure inspection is current for rigging equipment</p> <p data-bbox="569 678 1129 711">Inspect all rigging components, prior to use</p> <p data-bbox="569 740 1545 773">All employees (within the safety boundary "fall zone") must wear a hard hat.</p> <p data-bbox="569 802 1902 867">Notify supervisor to contact Electrical Utilities or Owner of overhead power lines if there is a potential of operating within 20 feet (6.1 m) of the overhead lines</p> <p data-bbox="569 896 1451 928">Use a trained spotter/line-watch inside LAB of overhead power lines</p> <p data-bbox="569 958 1871 1023">Determine mobile crane travel routes/paths (e.g., obstacles, bumps, changes in elevation, collocated workers, nearby structures)</p> <p data-bbox="569 1052 1520 1084">All Affected Workers will take OSHA Crane and Derrick Standard Briefing</p> <p data-bbox="569 1114 1178 1146">Establish Work Area and Fall Zone boundaries</p> <p data-bbox="569 1175 1377 1208">Follow manufacturer's instructions for assembly or dismantling</p> <p data-bbox="569 1237 1241 1269">Participate in a formal pre-lift meeting for critical lifts</p>

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Activity / Hazard	Control
<p data-bbox="201 305 342 332">Hot Work</p> <p data-bbox="201 370 499 630">(Includes electric arc, oxy-fuel gas welding/cutting operations, heavy grinding, brazing, light grinding, tig or mig welding, or similar activities)</p> <p data-bbox="201 727 499 786">PRC-PRO-FP-40421, Hot Work</p>	<p data-bbox="569 305 1329 332">Check the MSDS/SDS for product contents before welding</p> <p data-bbox="569 370 1308 397">Verify a designated trained fire watch has been assigned</p> <p data-bbox="569 435 1230 462">Flame/fire retardant personal protective equipment</p> <p data-bbox="569 500 1913 558">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 data-bbox="569 596 1724 623">Remove the paint/coating at least 4 inches (10.2 cm) in every direction from the hot work.</p> <ul data-bbox="617 660 1419 748" style="list-style-type: none"><li data-bbox="617 660 1329 688">• When grinding wear face shield and safety glasses<li data-bbox="617 725 1419 753">• Verify paint has been tested for lead prior to paint removal <p data-bbox="569 790 1215 818">Inspect all leads, tools and equipment prior to use</p> <p data-bbox="569 855 1734 883">Physically ensure that the grounding lead has a good connection before you start welding.</p> <p data-bbox="569 920 1898 979">Hot Work Permit - Follow applicable Hot Work Permit issued for work to be performed and have permit available for review</p> <p data-bbox="569 1016 1514 1044">All flammables/combustible material shall be kept clear of hot work areas</p> <p data-bbox="569 1081 1898 1140">Perform housekeeping regularly to prevent the build-up of flammables/combustibles (cardboard boxes, paper, etc.).</p> <p data-bbox="569 1177 1877 1235">Utilize “flash-shields” when other employees or visitors may be exposed to grinding activities or ultra-violet rays (from welding arc)</p> <p data-bbox="569 1273 1892 1331">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 data-bbox="569 1369 1497 1396">When possible, position work so that worker is upwind of welding fumes</p>