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# OPERATOR, BUILDING TRADES CHA

## CHPRC Craft Specific Safety Hazards Analysis

Version 3

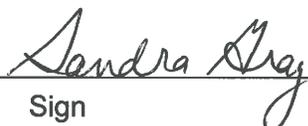
7/13/2017

Benjamin CULVER  7/18/17  
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Building Trades Safety Reviewed

Kristine Robinson  7/19/2017  
Print Sign Date

Industrial Safety Reviewed

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Work Management Approval

# Operator, Building Trades CHA

## CHPRC Craft Specific Safety Hazards Analysis

Version 3, 7/13/2017

Page 2 of 5

### 1.0 INTRODUCTION

#### 1.1 Purpose

This hazard analysis applies to any Operator, 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 Operator, 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 Operator, 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.

# Operator, Building Trades CHA

## CHPRC Craft Specific Safety Hazards Analysis

Version 3, 7/13/2017

Page 3 of 5

### 3.0 HAZARDS

Activity / Hazard	Control
<b>Heavy Equipment Operation</b>	<p>Use a trained spotter(s) when vision is obscured in any direction. Operator and spotter(s) will maintain agreed upon a means of communication. (Verbal, Radio, Hand signals, etc.)</p> <p>Comply with all Manufacturer's operating instructions</p> <p>Perform a pre-use/pre-start inspection following manufacturer's instructions (controls/ maintenance current, no loose items in cab, etc.)</p> <p>Use proper body mechanics established for cab entry/exit</p> <ul style="list-style-type: none"><li>○ Three points of contact</li><li>○ Minimize twisting</li><li>○ Proper footing</li></ul> <p>Keep your hands, feet and loose clothing away from moving or rotating machine parts</p> <p>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>Use a trained spotter/line-watch inside LAB of overhead power lines</p> <p>Observe the safety precautions and warnings located on the machine</p> <p>Inspect the machine when it is switched off for signs of damage at least once per work shift</p> <p>Ensure Manufacturer-installed or recommended guards are in place and operational</p> <p>Use established safe shutdown and parking techniques</p>

# Operator, Building Trades CHA

## CHPRC Craft Specific Safety Hazards Analysis

Version 3, 7/13/2017

Page 4 of 5

Activity / Hazard	Control
<p><b>Hoisting and Rigging Operations</b></p> <p>DOE/RL 92-36</p>	<p>Verify a Designated Leader (DL) has been assigned for each H&amp;R activity</p> <p>Only assigned craft will work inside a critical lift fall zone</p> <p>Use a trained spotter/flagman/signalman</p> <p>Erect barricades for crane work areas and rotating superstructures</p> <p>Ensure inspection is current for rigging equipment</p> <p>Inspect all rigging components, prior to use</p> <p>All employees (within the safety boundary “fall zone”) must wear a hard hat.</p> <p>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>Use a trained spotter/line-watch inside LAB of overhead power lines</p> <p>Determine mobile crane travel routes/paths (e.g., obstacles, bumps, changes in elevation, collocated workers, nearby structures)</p> <p>Remain current on OSHA Crane and Derrick Standard Briefing</p> <p>Establish Work Area and Fall Zone boundaries.</p>
<p><b>Loading &amp; Unloading Cargo &amp; Heavy Equipment</b></p>	<p>Maintain Situational Awareness, take time to pay attention and understand your surroundings.</p> <p>Identify measures to secure the balance of the load when loading and unloading.</p> <p>Observe payload/trailer load weight limits (including tongue load limits).</p> <p>Ensure the brakes are set prior to exiting the equipment.</p> <p>Ensure the equipment has been properly secured prior to crawling underneath or getting underneath equipment on the trailer.</p>

# Operator, Building Trades CHA

## CHPRC Craft Specific Safety Hazards Analysis

Version 3, 7/13/2017

Page 5 of 5

Activity / Hazard	Control
<b>Snow and ice removal on Roadways, Parking Lots, Sidewalks, Steps, and Other Areas as Needed.</b>	Warm up and stretch out prior to activity. Use proper lifting techniques Do not attempt to singularly lift objects that exceed physical capabilities or are greater than 55 pounds (24.95 kgs) without a hazard analysis.