

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

Facilities Services

Cooling Tower Entry

TASK	HAZARDS	CONTROLS
<p>1. Any services or repairs requiring entry into a cooling tower.</p>	<p>Slips, trips, falls</p> <p>Fall from ladder</p> <p>Biological, chemical and potential hazardous dust inhalation</p> <p>Legionella</p> <p>Musculoskeletal injuries</p> <p>Chemical use/exposure/inhalation</p> <p>Energized equipment/release of stored energy</p>	<p>Inspect work area and remove hazards prior to start of work Barricade the work area with signs, cones, caution tape, etc. if necessary Set up temporary guard rails or use personal fall protection if working near unprotected ledges and skylights. Use scaffolds, aerial lifts, or other equipment if necessary Wear slip resistant shoes or boots Submit assist tags if necessary</p> <p>Select appropriate ladder for the job Inspect the ladder before use Use according to manufacturer's recommendations 3 points of contact while climbing up and down Training on ladder safety Open A frames all the way Tie extension ladders if possible or have someone hold it</p> <p>Wear appropriate PPE: N95, Tyvek suit, gloves, eye protection Open ventilation Option to get water tested if necessary Submit an assist for flushing and cleaning if necessary</p> <p>Use safe body mechanics and safe lifting techniques Morning stretch and flex Use dollies, stair climbers, and other material handling and lifting equipment when necessary</p> <p>Wear appropriate PPE: gloves, eye protection, N95 HazCom training If you notice unusual cough, eye, or throat irritation, remove yourself from the environment</p> <p>De-energize all equipment and perform LOTO</p>

<p>Other Information:</p> <p>Contributors:</p> <p>Created:</p> <p>JSA Library Number:</p>			<p>Test to ensure energy sources are isolated</p> <p>Utilize group LOTO procedures if working with others</p> <p>LOTO training</p> <p>LOTO procedure</p>
	<p>Required Training:</p> <p>Hazard Communication (GHS) PPE</p> <p>Safe Lifting Techniques Fall Protection</p> <p>Lock Out/Tag Out Ladder Safety</p> <p>Respiratory Protection</p>	<p>Personal Protective Equipment (PPE)</p> <p>Gloves N95</p> <p>Eye protection Face shield (as necessary)</p> <p>Slip resistant shoes/boots Tyvek suit</p>	
	<p>Hoanhni Nguyen – Facilities Safety Specialist</p> <p>October 2020</p> <p>FS-JSA-011</p> <p>For more information about this JSA, contact the Department Safety Coordinator.</p>		