

Central Plateau Cleanup Company  
**JOB HAZARD ANALYSIS CHECKLIST INSTRUCTIONS**

**General Instructions:**

**Work Package/Procedure/PM/S-Activity No.:** Enter the work package number, procedure number or PM/S activity number.

**Title:** Enter the title associated with the work package/procedure/PM/S activity number.

**Revision:** Enter the revision number of the JHA checklist.

**Specific Work Location:** Enter the physical location(s) where the work will be performed.

**Work Scope/Description:** Provide a brief description of the scope or primary tasks to be performed.

**Prepared By/Date:** Enter the Job Hazard Analysis (JHA) Checklist preparer's name, signature, and the date prepared.

**Approvals:** Obtain Responsible Manager/Technical Authority (RM/TA) and all required Subject Matter Experts (SME) signatures. Concurrences will be documented by SME signatures in the Approval section of the JHA Checklist utilizing the "SME" approval signature blocks. SME's will also identify their specific discipline. Use the ADD feature to add another row of approvals, two per row.

**Activity/Hazard:** The first column lists potential hazardous conditions, equipment and activities identified during the hazard analysis.

- Select Yes/No for each activity/hazard as to whether it applies to the scope of work and/or individual tasks being performed.
  - If activities/hazards are identified that are not listed, they should be added in the "Other" block.
- Provide description in the "Task" section for the specific task(s) associated with the activity/hazard marked Yes.
  - For example, if "High Noise" was marked "Yes", there may be multiple times throughout the work scope that noise generating equipment/tools will be used. Instead of one statement "Entire work package" each activity should be listed to ensure adequate analysis and appropriate controls are developed (e.g., *Use of guzzler for soil removal in task 1, Use of jack hammer for concrete removal in task 3, Use of sawzall for cutting rebar and sewer line in tasks 3 and 4*).
- **Requires only Skill-based Controls Check box:** This box should only be checked when the activity/hazard on this row is completely covered by controls inherent to the worker's training and/or listed in the GHA and CHAs. Skill-based controls do not need to be listed on the JHA checklist.
- If this block is marked, then no other information is required and move to the next row.

**Beyond Skill-based Controls:** The second column is used when not all controls for the activity/hazard are skill-based.

- Select beyond skill-based controls that mitigate the given activity/hazards for the specific tasks listed and method of control implementation.
  - The list of controls is NOT all inclusive. If other controls are needed, list the control in the Additional/Other Controls field.

**Method of Control:** The method block is used to identify the method(s) by which the hazard controls are going to be implemented. Methods include the following:

1. Precautions and Limitations/Prerequisites (*control is to be incorporated into the Precaution and Limitations Prerequisites sections of the work package, procedure, or data sheet instructions*).
2. Work/Procedure/Data Sheet Instruction (*control is identified through directions that provide a mandatory step or step sequencing within a procedure or work package instructions, may also include a Caution/Warning statement*).
3. Permit/Plan (*control is identified through the detailed controls that are specified in a permit/plan*).

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	Block #	Instructions	Special Consideration	Rationale
1.	<b>Aerial Lifts</b> - Falls from	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is a Fall Protection Work Permit required?</li> <li>* Are marking cones needed?</li> <li>* Are there any lane closures associated with the work scope?</li> <li>* Are signs/postings needed during the work?</li> <li>* Are traffic barricades required?</li> <li>* Does noise impact communication between operator and spotter? Use air horn or other signaling device.</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
2.	<b>Asbestos</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is there a Negative Exposure Assessment?</li> <li>* Is respiratory protection required?</li> <li>* Is the work intrusive or disturbing PACM/ACM?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are the controls driven by the site Asbestos Program?</li> </ul>
3.	<b>Beryllium</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Has the Beryllium Work Permit been developed and approved?</li> <li>* Is the work intrusive and within a BCA or BSA?</li> <li>* Is the work in a BRA?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are the controls driven by the site Beryllium Program?</li> </ul>
4.	<b>Biological Hazards</b> (e.g., animals, carcasses, insects, snakes, feces, mold)	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is this work that HMIS Pest Control should perform?</li> <li>* Is respiratory protection required?</li> <li>* Is an IHEA/IHWP required?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
5.	<b>Blind Penetrations</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is there an area scan of the penetration location?</li> <li>* Are drawings of location available for reference?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
6.	<b>Breach of System</b> (Opening or connecting to a system or component)	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is there a potential to release a gas/liquid/fluidized solid?</li> <li>* Will a pressure boundary be opened?</li> <li>* Is the system internally contaminated?</li> <li>* Is the work area a Contamination Area?</li> <li>* Is the volume known with supporting evidence?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>

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7.	<p><b>Chemicals Introduced, Legacy Chemicals, Handling of hazardous material chemicals; Dust; Toxic Fumes and Vapors</b></p> <p><i>(This section has the ADD feature available, if more than one chemical needs to be addressed) Chemicals with the same controls may be listed on the same row; for chemicals with different controls, use the ADD feature.</i></p>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* Obtain list of chemicals for planner, FWS, or through the Team Planning Meeting (TPM)</li> <li>* Review the MSDS/SDS for individual chemical constituents</li> <li>* Obtain an Engineering Evaluation of Chemical Compatibility when chemicals introduced by the work activity will mix with bulk chemicals or chemical accumulations already present in laboratories, or processing, or treatment facilities</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* How will the chemical be utilized?</li> <li>* What amount of chemical will be utilized?</li> <li>* Does the use of the product require emergency response equipment?</li> <li>* Does the use of this product require sampling/monitoring?</li> <li>* Does the use of this product require additional PPE over what is listed in the GHA and CHA's?</li> <li>* Is an IHEA/IHWP required?</li> <li>* Can chemicals introduced by the work activity mix and react with exiting bulk chemicals, or chemical accumulations to form chemical compounds that must be evaluated by Industrial Hygiene?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls identified by the work scope in harmony with those listed on the MSDS/SDS?</li> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are controls identified for the chemical compounds that may be formed as a consequence of mixing chemicals introduced by the work activity with chemicals already present in laboratories, or processing, or treatment facilities?</li> </ul>
8.	<p><b>Confined Space</b></p>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is the Hanford Confined Space Hazard ID form up to date, and on file in IDMS?</li> <li>* What type of Confined Space is it?</li> <li>* Is a Hanford Confined Space Entry Permit required?</li> <li>* What type of PPE is required?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
9.	<p><b>Ergonomics - Moving:</b>  <i>(e.g., body position, vibration)</i></p>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Does this involve repetitive lifting?</li> <li>* Does the work require awkward posture?</li> <li>* Does the tool being used create vibration?</li> <li>* How long will the tool be operated?</li> <li>* What body position is required to use the tool?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
10.	<p><b>Excavation Work</b></p>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Will a Site Excavation Permit be required?</li> <li>* Are warning signs/postings needed in the work area?</li> <li>* Will a barricade be needed?</li> <li>* Are ground scans needed?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are the controls in line with the Site Excavation Standards?</li> </ul>

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	Block #	Instructions	Special Consideration	Rationale
11.	<b>Falls - from Heights</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is a Fall Protection Work Permit required?</li> <li>* Should warning lines be used?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
12.	<b>Falling Objects from Overhead</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Does the work area need to be barricaded?</li> <li>* Should equipment tethers be used?</li> <li>* Is a Spotter needed?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
13.	<b>Fire Hazard:</b> Weld, Burn, and Grind; Fire Marshall Permits; Flammable, Explosive, Combustibles	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is respiratory protection needed?</li> <li>* Are fire blankets needed?</li> <li>* Is a Hot Work Permit needed?</li> <li>* Are Welding screens to be used?</li> <li>* What is the Fire Marshal Permit number (<i>may be multiple</i>)?</li> <li>* Will fumes be created for any of the following? (<i>Zinc, Manganese, Chromium, Nickel, Iron, or Cobalt</i>)</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
14.	<b>Hand Tools/Portable Equipment Use</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is the tool/portable equipment modified?</li> <li>* Does the modified tool/portable equipment have design approval by Engineering?</li> <li>* Does the tool/portable equipment throw debris?</li> <li>* Does the tool/portable equipment have cut/pinch/crush hazards?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
15.	<b>Hazardous Energy -</b> ( <i>e.g., electrical, hydraulic, kinetic, mechanical, pneumatic, pressure, rotation, thermal, spring, steam</i> )	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Have all types of hazardous energy been considered; not just electrical?</li> <li>* Will the system be depressurized?</li> <li>* Are Cool Down systems available?</li> <li>* Will sleeving be needed?</li> <li>* Will the work area be barricaded off?</li> <li>* Has the stored energy been removed?</li> <li>* Is there an Energized Electrical Work Permit for this Job?</li> <li>* Ensure adequate understanding of task scope to identify all details of hazards related to the task</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>

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	Block #	Instructions	Special Consideration	Rationale
16.	<b>Hoisting, Rigging, Cranes and Forklifts</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Special or Critical Lift?</li> <li>* Which utilities need to be notified?</li> <li>* What are the requirements for rigging apparatus that are needed?</li> <li>* Is there a known load weight needed?</li> <li>* Does noise impact communication between operator and spotter? Use air horn or other signaling device</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are the controls justified by the Site Hoisting and Rigging Manual and WRPS H&amp;R Safety procedure</li> </ul>
17.	<b>Lead</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Has a lead control plan been generated?</li> <li>* Is an IHEA/IHWP needed?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
18.	<b>Noise/Noisy Environment</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Will a Noise Barrier be used or required?</li> <li>* Will a Hearing Protection Boundary be used?</li> <li>* What type of hearing protection is to be used?</li> <li>* Does noise impact communication?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
19.	<b>Overhead Utilities</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Distance between work and overhead utilities?</li> <li>* Travel path of cranes/vehicles to work location?</li> <li>* Is de-energization of utilities required?</li> <li>* Is there co-located work in the work area?</li> <li>* Does noise impact communication between operator and spotter? Use air horn or other signaling device.</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
20.	<b>Pressurized Gas Cylinders</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* List Work Instructions Task Description</li> </ul>		<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
21.	<b>Radiological Area Work</b>	<ul style="list-style-type: none"> <li>* Is there a Radiological Hazard associated with this work scope?</li> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is an ALARA Management Worksheet (AMW) required?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>

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22.	<b>Roof Work</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter the controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Has an engineering evaluation of the roof been completed?</li> <li>* Is a Fall Protection Work Permit required?</li> <li>* Will a Pre-use Inspection on fall protection equipment be required?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are Fall Protection requirement controls in line with current site procedures?</li> </ul>
23.	<b>Scaffolding Erection, Dismantling, Modification</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter the controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is a Fall Protection Work Permit required?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are Fall Protection requirement controls in line with current site procedures?</li> </ul>
24.	<b>Scaffold Use</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is a Fall Protection Work Permit required?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> <li>* Are Fall Protection requirement controls in line with current site procedures?</li> </ul>
25.	<b>Sharp Objects, Cut or Puncture Hazard</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Will the work with materials or tools possibly create a severe injection consequence?</li> <li>* As the work progresses, will the job task environment or the material being worked with create a hazard due to sharp edges or potential puncture type injury?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
26.	<b>Temperature Extremes, Thermal Stress</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is a Heat Stress Evaluation required?</li> <li>* Is Physiological Monitoring required?</li> <li>* Is an IHEA/IHWP needed?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
27.	<b>Vehicle, Heavy Equipment Use and Traffic</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is a dedicated spotter needed?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>
28.	<b>Vehicle Use - Off Road, tertiary road travel</b>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* Enter any other controls that will be used</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Is a dedicated spotter needed?</li> <li>* What is the fire danger rating and how does it impact planned work?</li> <li>* Is a Red Flag Warning in effect and will it impact planned work?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>

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29.	<b>Other</b> <i>(this section has the ADD feature available)</i>	<ul style="list-style-type: none"> <li>* Enter which method of control implementation will be used for that item (1-3)</li> <li>* List any other hazards for identified work scope</li> <li>* List Work Instructions Task Description</li> </ul>	<ul style="list-style-type: none"> <li>* Are the hazards covered under something else?</li> <li>* Are the hazards unique to the work scope?</li> </ul>	<ul style="list-style-type: none"> <li>* Are the controls selected adequate for the identified hazard?</li> </ul>

**Comments:** Record additional comments or clarifications relating to conduct of the Job Hazard Analysis and the results of the analysis performed.

**Walk Down Conducted:** Check Yes or No to indicate whether a walk down was performed.

If Yes, also enter the date the walk down was completed.

If No, the RM/FM shall document justification of the reason why a walk down was not performed, and sign this block..

**Walk Down or Tabletop/JHA Participants:** This block is for listing all employees involved in the physical walk down of the job and/or participating in the table top, as well as those providing input, such as identifying hazards and recommending controls, in the development of the JHA.

**NOTE:** To use the ADD section features, click on the ADD button. The new Chemical section will all be number as 6 to preserve numbering through the rest of the table. If you use this feature on row 28, each row number will increase by one (29, 30, 31, etc.).