

**BP PIPELINE-CHICAGO TERMINAL - Global Remediation
JOB SAFETY ANALYSIS**

JANUARY 2013

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State) BP PIPELINE-CHICAGO TERMINAL- Grind Stair Rails & Stair Tread Welds	DATE 1/25/13	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> REVISED	PAGE 1 of 2
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WORK ACTIVITY (Description):

USING AN ANGLE GRINDER

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Dave Ruzich	Safety Coordinator	Aron Yakima	Project Manager
Billy Billingsly	Supervisor		

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT (SEE CRITICAL ACTIONS FOR TASK-SPECIFIC REQUIREMENTS)

<input type="checkbox"/> REFLECTIVE VEST <input checked="" type="checkbox"/> HARD HAT <input checked="" type="checkbox"/> LIFELINE / HARNESS <input checked="" type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> GOGGLES <input checked="" type="checkbox"/> FACE SHIELD <input checked="" type="checkbox"/> HEARING PROTECTION-Ear Plugs <input checked="" type="checkbox"/> SAFETY SHOES	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input checked="" type="checkbox"/> N-95 Voluntary Use Respirator <input type="checkbox"/> Special PPE CLOTHING	<input checked="" type="checkbox"/> GLOVES Leather- Material Handling & Grinding <input checked="" type="checkbox"/> Optional-Vibration Gloves/Welding Guards
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JOB STEPS	POTENTIAL HAZARDS	CRITICAL ACTIONS TO MITIGATE HAZARDS
1. Check cord integrity.	Hand cut from cut wires.	Wear leather gloves. Inspect slowly.
2. Check conditions of grinding wheel and appropriate RPM.	(None Foreseen).	
3. Check grinding wheel tightness.	Hand injury from inadvertent starting	Do not plug in the machine until inspection is complete.
4. Verify the guard is tight and appropriate for the job.	Foot injury from dropping the tool	Rest the tool on the bench. Wear steel-toed shoes.
5. Verify the appropriate handle location.	Foot injury from dropping the tool	See controls for Task 4.)
6. Inspect trigger for physical damage and proper operation.	(None foreseen)	
7. Make sure the materials being ground are adequately secured and positioned correctly	Injuries associated with the work propelled by the grinder and/or landing on you	Verify the work is adequately secured by trying to dislodge it with a gloved hand (the work weight may secure it enough). Wear steel-toed shoes.
8. Plug-in the grinder.	Eye and skin damage from projectiles.	Check the trigger switch to insure it is off.

