

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: Fusing HDPE Pipe	Date:

Step	Potential Hazards	Safe Procedures/Crew Responsibilities
Preparation		<ul style="list-style-type: none"> Designate a Competent Person or persons Review P3 (Preparation Planning Procedures) and Hazard Analysis with crew Complete and review STA's daily Assess location and conditions* Review plans and specs
Establish settings on fusing machine	Trip Hazard	<ul style="list-style-type: none"> Maintain good housekeeping in work areas and around the HDPE fusing machine at all times
	Electrocution	<ul style="list-style-type: none"> Ground generator Use GFCI protected outlets or pigtails
	Fires while refueling equipment	<ul style="list-style-type: none"> Allow engines to cool down before refueling Store gas cans away from equipment
Set up pipe stands	Hands or fingers caught in pinch points	<ul style="list-style-type: none"> Wear good quality leather work gloves from start to finish
Place pipe or fittings in machine	Back strains while lifting	<ul style="list-style-type: none"> Train personnel the safe and proper way to do the work Do not lift equipment parts or pipe weighing more than 50 pounds without help Stretch prior to doing any lifting
	Unexpected weight if pipe slips off stand or lift partner drops the load	<ul style="list-style-type: none"> Use equipment to lift pipe or fittings (>100 pounds or >50 pounds without assistance)

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Place pipe or fittings in machine	Rigging failure	<ul style="list-style-type: none"> • Competent person inspects straps and uses proper rigging procedures • Stand on side of pipe away from stored energy when rigging
Face pipe end	Pinch points around jaws	<ul style="list-style-type: none"> • Train personnel how to use equipment safely
	Cut by blades	<ul style="list-style-type: none"> • Keep hands clear of jaws and facer blades
	Clothing caught in facer	<ul style="list-style-type: none"> • Wear well-fitting clothing and keep it tucked in
Heat pipe ends Fuse pipe	Hand injuries from burns	<ul style="list-style-type: none"> • Wear gloves during heating and fusion process • Keep hands clear of heat plate and hot pipe ends
Remove pipe from machine	Pipe may spring suddenly	<ul style="list-style-type: none"> • Allow pipe to properly cool, then slowly loosen jaws
Placing pipe in jaws	Pipe memory	<ul style="list-style-type: none"> • Pipe may spring in direction of last stored (potential energy)

Other Steps (if any):	Other hazards:	Other safe procedures: * 1) If work is to be performed in a travel way, complete and follow Work in Travel Way Job Hazard Analysis 2) If Hazardous Materials are encountered, cease work, secure work area and notify Superintendent and/or appropriate personnel immediately
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