

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: Pipe Cutting	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 Assess location and conditions* Complete and review STA's daily
Prepare pipe saw	Blades can and do fail, shatter, and fly	<ul style="list-style-type: none"> Person using saw must have proper training and experience Inspect saw and blade; do not use if defects are found Be sure to use the proper blade for the type of pipe Blade must have rpm rating equal to or higher than the saw's Be sure that all guards are in place prior to cutting
	Fire hazard while filling saw	<ul style="list-style-type: none"> Do not fill a hot saw; let it cool down Use a safety can and store it in a safe place
Prepare pipe	Cut to wrong length	<ul style="list-style-type: none"> Measure twice, cut once
Cut pipe	Pipe rolls during cut	<ul style="list-style-type: none"> Be sure pipe is secured from movement
	Saw kicks during cut	<ul style="list-style-type: none"> Set up the cut so saw is held directly in front of person sawing
	Cut by saw	<ul style="list-style-type: none"> Proper training Guards in place Turn off saw and wait for blade to stop after each cut

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Cut pipe continued	Hit in eyes and face by pipe fragments	<ul style="list-style-type: none"> • Wear proper eye protection such as safety glasses or goggles and a face shield • Use barricades or other effective means to keep personnel a safe distance from jackhammering operation
	Damage to hearing	<ul style="list-style-type: none"> • Always wear ear protection
	Inhaling fine metal, plastic, or cement dust	<ul style="list-style-type: none"> • Use wet methods when cutting concrete pipe • Wear an approved dust mask or respirator
	Inhaling carbon monoxide and fumes from pipe saw	<ul style="list-style-type: none"> • NEVER operate gas saws in a confined space** • Operate saw in well-ventilated areas only
	Back strain	<ul style="list-style-type: none"> • Lift properly using legs, with body facing object to be lifted
	Hand and finger injuries	<ul style="list-style-type: none"> • Avoid placing hands or fingers in pinch points • Be cautious of cut pipe, ends may have burrs and be sharp depending on material • Wear gloves
	Clothing caught by saw	<ul style="list-style-type: none"> • Wear close fitting clothing
	Sparks cause a fire	<ul style="list-style-type: none"> • Direct cut so sparks go in controlled direction • Be sure area is clear of flammable and combustible materials • Have a fire extinguisher handy
Other Steps (if any):	Other Hazards:	Other Safe Procedures: <ul style="list-style-type: none"> *If work is to be performed in a travel way, complete and follow ‘Work in Travel Way’ Job Hazard Analysis ** For work in a confined space, follow requirements in HASP

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