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## Significant Risk Assessment – Hot Work



Potentially Fatal Risk	Critical Controls to Reduce or Eliminate
<b>Fire/Explosion</b>	Signage requiring Hot Work Permit is in place for known areas to have combustibles
	Hot Work Permit
	Flammable or combustible material is 35 feet or further from hot work areas
	Fire extinguisher (appropriate size and type)
	Openings and cracks are covered
	Alarms and sprinkler systems (if applicable) are in good working order
	Fire assessment conducted prior to the start of hot work
	Fire watch assigned
	Pre-job risk assessment completed prior to the start of hot work
	Atmospheric testing has been performed prior to the start of hot work
	Inert gas
	<b>Critical Behaviors</b> – Completion of Hot Work Permit; proper training to perform hot work has been completed
<b>Exposure to Toxic Vapors</b>	Atmospheric testing
	Pre-job risk assessment
	Respiratory protection
	<b>Critical Behaviors</b> – Completion of Hot Work Permit; proper use of PPE

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<b>Red Flags – Indicate potential unsafe behavior or lack of controls</b>
Lack/inadequate Hot Work Permit
No Fire Watch in place
Lack of fire extinguisher
Flammable material in the area hot work is being performed
Poor ventilation
Lack of signage in know areas of combustibles
Lack of atmospheric testing
Changes in the environment not noted on the Hot Work Permit
Lack of training for affected employees

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