Uncontrolled Release of Energy

Exposure to stored energy from pressure (e.g., pneumatic systems, hydraulic systems, steam, tires, etc.); Items under tension or compression (e.g., mooring lines, springs, counterweights, etc.).

	Energy Isolation	Yes	No	N/A
	Have all potential sources of energy been verified, isolated and de-energized?			
	Has a state of zero energy been confirmed for all identified isolation points?			
	Have all potential control points been locked out with a site approved lock, employee identification tag and the system(s) tried out to verify that system has been de-energized?			
	Have all utilities (visible and concealed) been identified, demarcated and documented by using the sites approved process?			
	Barriers & Segregation	**Yes**	**No**	**N/A**
	Has the work area been adequately barricaded to keep all personnel out of harms way in the event that uncontrolled energy is released?			
	Have the barricades, barriers or guarding system(s) been inspected to ensure that the strength and integrity matches the potential hazards?			
	HDPE Handling	**Yes**	**No**	**N/A**
	Have all personnel involved with HDPE pipe handling received the required training?			
	Has all HDPE pipe been stored according to the HDPE Pipe Handling Policy and Guidelines?			
	Has the equipment being used to maneuver the pipe been verified for adequate lifting and pulling capacities?			
	Are all personnel maintaining a minimum distance of 50' from the HDPE pipe while it is being moved?			
	Pressure Vessels & Relief Valves (PRV's)	**Yes**	**No**	**N/A**
	Has the pressure vessel(s) undergone a thorough inspection and been certified by a competent individual?			
	Is there any visible damage to the pressure vessel(s) or the supporting structure?			
	Are the relief valve(s) arranged so that, in the event that the valve(s) opens, personnel will not be in the line of fire?			
	Has the relief valve(s) undergone a thorough inspection and been certified by a competent individual?			
	Are all pressure gauges in working order and displaying pressures within permitted limits?			
	Do in-field instrumentation readings match the information displayed on computer monitoring/operating programs?			
	Mechanical Integrity of Hoses, Pipes & Equipment	**Yes**	**No**	**N/A**
	Have the piping, hoses and equipment connections been inspected for overall condition and mechanical integrity?			
	Tire Handling	**Yes**	**No**	**N/A**
	Has the wheel and tire assembly been inspected for any damage?			
	Has the tire been deflated to the correct pressure prior to any work commencing?			
	Is there an approved safety barrier/tire cage being used?			
	Is a serviceable inflation/deflation instrument being used and is the instrument properly calibrated?			
	Are tires inflated with a remote inflation line?			
	Are there risk management signs and/or JSA/JRA forms for outside personnel to review and sign off on prior to entering the area?			
	Tensioned Line Management	**Yes**	**No**	**N/A**
	Have tensioned lines been inspected prior to use for overall condition?			
	Does the tensioned line have the necessary strength/capacity rating?			