SAFE JOB PROCEDURE **SJP-07**

December 20, 2008 **COLD CUTTING EXISTING PIPE**

Purpose/Application

Cold cutting pipe is a procedure of cutting plant piping that contained hydro carbons in the safest manor. Before workers proceed with any cold cutting they must thoroughly understand what substance was contained in side piping and install any safe guards that hazard assessment and MSDS dictate. Workers must ensure that piping has been isolated and prove zero energy by approve methods before attempting cold cutting procedures.

PPE
- Safety glasses

TRAINING

TOOLS/EQUIPMENT
- Pipe cutters

#	Job Steps	Hazards	Control Measures
1	Isolate system	Possibility of pressure or product still in line	▪ Identify line and product (MSDS as required) ▪ Verify system is depressurized, locked and tagged out ▪ Verify that any bleed points are free of obstructions ▪ Complete lock out list
	Conduct hazard assessment	Flammable and toxic atmosphere	▪ Fuel gas and nitrogen purge system ▪ Determine if work requires supplied air ▪ Identify access / egress routes in case of emergency ▪ Carry out continuous monitoring in immediate area
2	Prepare the cutting equipment	Injury, damage to pipe	▪ Follow the equipment manufacture's guidelines

#	Job Steps	Hazards	Control Measures
3	Cut pipe	Pipe falling on workers, pinch points, sharp edges of beveled pipe spills, possibility of H2S gas, possibility of LEL's	▪ Ensure pipe being cut is securely supported ▪ Position workers in ribbon off the area to ensure safety ▪ Be aware of his surroundings ▪ Stay out of the line of fire ▪ Wear gloves ▪ Spill kits ▪ Only experienced personnel are to operate the equipment ▪ Have to workers complete the task ▪ Monitor for toxic and flammable gases
4	Remove pipe section	Trips, falls	▪ Keep work area free and clear of all debris
5	Cap exposed pipe ends	Spills, possibility of H2S gas, possibility of LEL's	▪ Have spill kit available ▪ Monitor for toxic and flammable gases
6	Cleanup	Slips trips and falls	▪ Follow the safe work practice for housekeeping ▪ Contain and cleanup all spills

Additional Precautions:

REFERENCE/REGULATIONS

Developed by:	1. Dave McLeod	2.		Date:	November, 2006
	3.	4.			
Revised by:	1. Angie Anton	2.		Date:	December 30, 2008