

Field Data Collection
(2007 Standard Inspection)

Company: Williams Gas Pipeline-West
Unit: Plymouth Liquefied Natural Gas Plant
Inspector: Kuang Chu/Lex Vinsel, UTC Staff

Pipe-to-soil potential readings and other items

Date	Location	Pipe (Volts) (rectifier on)	Comments
11/7/2007	LNG-1 Compressor Bldg. #1, fire eye FD-0019. LNG-2 Compressor Bldg. #2, fire eye FD-0048 Vaporizer #33 South Bath, fire eye FD-0040 Refrigerant Storage Area, fire eye FD-0037		The field tests of all 4 fire eyes were successful.
11/7/2007	LNG-1 Compressor Bldg. #1, gas detector HG-0043 LNG-2 Compressor Bldg. #2, gas detector HG-0071 Vaporizer #3, gas detector HG-0015 Refrigerant Storage Area, gas detector HG-0057		All 4 gas detectors activated alarms at gas-air mixture of 20% LEL and ESD at 40% LEL. The tests were successful.
11/7/2007	P/S potential of 1" fuel gas line to the warehouse, CP test site #74	-1.264	The reading was acceptable.
11/7/2007	P/S potential of drain line to pipe rack, CP test site # 77	-2.094	The reading was acceptable.
11/7/2007	P/S potential of sump, East LNG-2	-1.386	The reading was acceptable.

Date	Location	Pipe (Volts) (rectifier on)	Comments
	compressor, CP test site #79		
11/7/2007	P/S potential of 1" fuel gas line, CP test site #82	-1.498	The reading was acceptable.
11/7/2007	P/S potential of 12" East LNG II South Bath Heater, CP test site #92	-1.208	The reading was acceptable.
11/7/2007	P/S potential of 12" East LNG II South Bath Heater, CP test site #93	-1.262	The reading was acceptable.
11/7/2007	P/S potential of 1" gas line to east of control room, CP test site #98	-1.531	The reading was acceptable.
11/7/2007	P/S potential of water & foam drain valve, North LNG-1, CP test site #122	-1.930	The reading was acceptable.
11/7/2007	Rectifier #1492		Rectifier DC output: 4.56 V, 0.29 A.
11/7/2007	Rectifier #1032		Rectifier DC output: 34.23 V, 29.76 A. The voltage readings taken have not been accurate for at least the last 2 years. The CP Technician has been measuring only one half of the actual voltage output.
11/7/2007	Rectifier #536		Rectifier DC output: 38.41 V, 21.76 A