

API Approved Liquid/Gas Covered Tasks List
with references to NCCER Pipeliner Training and Assessment Materials

Revision Date 01-16-09

Note 1 - Workers must be qualified on either "Field" or "Control Center" Abnormal Operating Conditions, (AOC) or both. Note 2 - Abnormal Operating Conditions are incorporated within each task performance verification. Note 3 - Please see footnote for important information about Task 43 Note 4 - Please see footnote for important information about AOC Assessments			Contren Learning Series		Written Assessments													Performance Verifications				
					Level	Module #	E & I Pipeline Technician	Mechanical Pipeline Technician	Corrosion Preven. Field Tech 1-Measurement	Corrosion Preven. Field Tech 1-Installation	Corrosion Prevention Field Technician 2	Corrosion Prevention Field Technician 3	Field and Control Center Operations Technician	Liquid Pipeline Field Operations	Liquid Control Center Operations	Pipeline Maintenance Technician	Gas Maintenance Technician		Gas Pipeline Operations	Non Destructive Testing	Abnormal Operating Conditions-(General)	Abnormal Operating Conditions-(Control Ctr)
Task #	Task Type	API Covered Tasks and Sub-Tasks																				
12	L/G	Inspect Internal Pipe Surface No Subtasks	1	61110				X														PV120
13	L/G	Apply and Repair External Coating on Buried or Submerged Pipe		Split				X					X									
		13.1 Prepare surface for coating using hand and power tools	1	61106																		PV131
		13.2 Perform water pressure cleaning	1	61106																		PV132
		13.3 Prepare surface for coating by abrasive blasting	2	61207																		PV133
		13.4 Apply coating using hand application methods	1	61107																		PV134
		13.5 Apply coating using spray applications	2	61208																		PV135
MAINTENANCE																						
9	L/G	9.5 Repair shorted casings (Also in Corrosion 61204)	2	62304									X									PV095
14	L/G	Place and Maintain Line Markers											X									
		14.1 Locate line (Also in Corrosion 61103)	1	62106																		PV141
		14.2 Install marker																				PV142
		14.3 Inspect and maintain marker																				PV143
		14.4 Inspect and maintain aerial line markers																				PV144
15	L/G	Inspect Surface Conditions of Right-of-Way											X									
		15.1 Visual inspection of the surface	2	62201																		PV151
		15.2 Reporting protocols																				PV152
16	L/G	Inspect Navigable Waterway Crossing											X									
		16.1 Use of probing equipment	2	62201																		PV161
		16.2 Use of sonar equipment																				PV162
		16.3 Reporting protocols																				PV163
17	L/G	Provide Temporary Marking of Buried Pipeline Prior to Excavation											X									
		17.1 Locate line (Also in Corrosion 61103)	1	62107																		PV171
		17.2 Install marker																				PV172
		17.3 Inspect and maintain marker																				PV173
18	L/G	Inspection Following Excavation Activities and Leak Survey After Blasting											X									
		18.1 Utilize leak survey techniques	2	62206																		PV181
		18.2 Monitor for pressure loss																				PV182
20	L/G	Inspect Valves (Also in Mechanical 63204)											X									
		20.1 Routine walk-around inspection	2	62203																		PV201
		20.2 External integrity inspection																				PV202
		20.3 Function test valve																				PV203
		20.4 Leak test valve																				PV204
27	L	Inspection of Breakout Tanks											X									
		27.1 Routine monthly inspection of breakout tanks	2	62202																		PV271
		27.2 Inspection of in-service breakout tanks																				PV272
28	L/G	Provide Security for Pipeline Facilities											X									
		No Subtasks	1	62106																		PV280
29	L/G	Launching/Receiving In-line Inspection Device											X									
		29.1 Launching in-line inspection devices	3	62303																		PV291
		29.2 Receiving in-line inspection devices																				PV292
32		32.0 Monitoring Excavation Activities	1	62107																		PV320

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Task #	Task Type	API Covered Tasks and Sub-Tasks																		
MECHANICAL																				
19	L/G	Valve Maintenance	Split																	
		19.1 Valve body winterization or corrosion inhibition	1	63107	X															PV191
		19.2 Valve lubrication	1	63107	X															PV192
		19.3 Valve seat sealing	1	63107	X															PV193
		19.4 Valve stem packing maintenance	1	63107	X															PV194
		19.5 Actuator/operator adjustment, electric (Also in E&I 64208)	3	63308	X															PV195
		19.6 Actuator/operator adjustment, pneumatic	3	63306	X															PV196
		19.7 Actuator/operator adjustment, hydraulic	3	63307	X															PV197
20	L/G	Inspect Valves (Also in Maintenance 62203)			X															
		20.1 Routine walk-around inspection																		PV201
		20.2 External integrity inspection	2	63204																PV202
		20.3 Function test valve																		PV203
		20.4 Leak test valve																		PV204
21	L/G	Repair Valves	Split																	
		21.1 Repair valve actuator/operator, pneumatic	3	63306	X															PV211
		21.2 Disassembly/re-assembly of valve	2	63204	X															PV212
		21.3 Internal inspection of valve	2	63204	X															PV213
		21.4 Repair valve actuator/operator, hydraulic	3	63307	X															PV214
		21.5 Repair valve actuator/operator, electric	3	63308	X															PV215
22	L	Inspect Tank Pressure/Vacuum Breakers and Inspect, Test and Calibrate HVL Tank Pressure Relief Valves	2	63205	X															PV220
		No Subtasks																		
23	L/G	Maintain and Repair Relief Valves and Pressure Limiting Devices			X															
		23.1 Maintain/repair relief valves	2	63205																PV231
		23.2 Maintain/repair pressure limiting devices																		PV232
24	L/G	Inspect, Test and Calibrate Pressure Limiting Devices and Relief Valves	2	63205	X															PV240
		No Subtasks																		
ELECTRICAL AND INSTRUMENTATION																				
19	L/G	19.5 Actuator/operator adjustment, electric (Also in Mechanical 63308)	2	64208	X															PV195
25	L/G	Inspect, Test and Calibrate Pressures Switches and Transmitters			X															
		25.1 Inspect, test and calibrate pressure switches	2	64206																PV251
		25.2 Inspect, test and calibrate pressure transmitters																		PV252
26	L/G	Verify or Set Protection Parameters for Programmable Controllers and/or Other Instrumentation Control Loops	2	64207	X															PV260
		No Subtasks																		
30	L	Test Overfill Protective Devices	2	64206	X															PV300
		No Subtasks																		
31	L	Inspect and Calibrate Overfill Protective Devices	2	64206	X															PV310
		No Subtasks																		
44	L	CPM Leak Detection			X															
		44.1 Inspection, testing and calibrations of leak detection equipment	2	64209																PV441
		44.2 Verify the leak detection system meets design parameters																		PV442
55	G	Maintain Fixed Gas Detection Equipment	2	64210	X															PV550
		No Subtasks																		

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Task #	Task Type	API Covered Tasks and Sub-Tasks																		
LIQUID PIPELINE FIELD OPERATIONS																				
43‡	L/G	Operations of a Pipeline System		Split																
		43.1 Start-up of a pipeline	1	60105						X										PV431
		43.2 Shutdown of a pipeline	1	60105						X										PV432
		43.3 Monitor pressures, flows, communications and line integrity and maintain them within allowable limits	1	60106						X										PV433
		43.4 Manually or remotely open or close valves or other equipment	1	60105						X										PV434
63	L	Operations of a Pipeline System		Split																
		63.1 Start-up of a pipeline	1	60105							X									PV631
		63.2 Shutdown of a pipeline	1	60105							X									PV632
		63.3 Monitor pressures, flows, communications and line integrity and maintain them within allowable limits	1	60106							X									PV633
		63.4 Manually or remotely open or close valves or other equipment	1	60105							X									PV634
LIQUID PIPELINE CONTROL CENTER OPERATIONS																				
43‡	L/G	Operations of a Pipeline System		Split																
		43.1 Start-up of a pipeline	1	65106						X										PV431
		43.2 Shutdown of a pipeline	1	65106						X										PV432
		43.3 Monitor pressures, flows, communications and line integrity and maintain them within allowable limits	1	65105						X										PV433
		43.4 Manually or remotely open or close valves or other equipment	1	65106						X										PV434
64	L	Operations of a Pipeline System		Split																
		64.1 Start-up of a pipeline	1	65106							X									PV641
		64.2 Shutdown of a pipeline	1	65106							X									PV642
		64.3 Monitor pressures, flows, communications and line integrity and maintain them within allowable limits	1	65105							X									PV643
		64.4 Manually or remotely open or close valves or other equipment	1	65106							X									PV644
GAS PIPELINE OPERATIONS																				
43‡	L/G	Operations of a Pipeline System		Split																
		43.1 Start-up of a pipeline																		
		43.2 Shutdown of a pipeline																		
		43.3 Monitor pressures, flows, communications and line integrity and maintain them within allowable limits	1	67104/105																PV433
		43.4 Manually or remotely open or close valves or other equipment																		PV434
65	G	Operations of a Pipeline System		Split																
		65.1 Start-up of a pipeline																		
		65.2 Shutdown of a pipeline																		
		65.3 Monitor pressures, flows, communications and line integrity and maintain them within allowable limits	1	67104/105																PV653
		65.4 Manually or remotely open or close valves or other equipment																		PV654
50	G	Purge Gas from a Pipeline																		
		No Subtasks	1	67104/105																PV500
51	G	Purge Air from a Pipeline																		
		No Subtasks	1	67104/105																PV510
54	G	Test Remote Control Shutdown Devices																		
		No Subtasks	1	67104/105																PV540
56	G	Perform Incremental Pressure Increases to Uprate MAOP																		
		No Subtasks	1	67104/105																PV560
57	G	Operate Odorant Equipment																		
		No Subtasks	1	67104/105																PV570
58	G	Monitor Odorant Level																		
		No Subtasks	1	67104/105																PV580
Note 3	43‡	Yellow indicates most recent changes CT 43 Will no longer be available after 12/6/08.																		
Note 4		AOC General and AOC Gas have been combined into AOC Field																		