





















COVERED TASK	Conduct Cathodic Protection Surveys		1	
DESCRIPTION	Annual surveys are conducted for each operator's pipeline system that is under cathodic protection to ensure that the protection is adequate. This task is related to the collection of data and does not include analysis.			
ELEMENTS OF TASK		Measurement of pipe-to-soil potentials.		
		Measurement of casing-to-soil potentials.		
		Testing to detect interference and/or to ensure electrical isolation from foreign structures.		
		Inspection and electrical test to bonds.		
		Measurement of tank bottom-to-soil potentials.		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	The majority of gas and/or liquid pipelines are under cathodic protection; this is a standard O&M task in corrosion control. A close interval survey may be used as an annual survey but is not required.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	CP reading outside of expected range		
	Fire / Explosion	Ignition of hydrocarbons		
	Unexpected hazardous gas, liquid or carbon dioxide encountered	Employee could discover a leak while performing this task		




COVERED TASK	Maintain Test Leads		2	
DESCRIPTION	Test leads required for cathodic protection must be maintained to ensure that accurate measurements can be obtained.			
ELEMENTS OF TASK		Recognize electrical discontinuity		
		Replace broken test lead		
		Repair broken test lead		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	The majority of gas and/or liquid pipelines are under cathodic protection; this is a standard O&M task in corrosion control.			
ABNORMAL OPERATING CONDITIONS	Pipeline System Damage	Burn through during cadweld, dents, & gouges		
	Component Failure	Discover broken leads		
	Fire / Explosion	Burn through during cadweld, ignition of vapor		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Employee could discover a leak while performing this task		

COVERED TASK	Inspect Cathodic Protection Rectifiers		3	
DESCRIPTION	Obtain a voltage and current output readings from rectifier. Perform cathodic protection rectifiers on/off test.			
ELEMENTS OF TASK		Recognize electrical discontinuity		
		Replace broken test lead		
		Repair broken test lead		
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	The majority of gas and/or liquid pipelines are under cathodic protection; this is a standard O&M task in corrosion control.			
		Component Failure	Rectifier failure.	
		Fire / Explosion	Ignition of hydrocarbons	
		Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Employee could discover a leak while performing this task	

COVERED TASK	Cathodic Protection Rectifier Maintenance and Repair		4	
DESCRIPTION	Troubleshoot and repair rectifiers.			
ELEMENTS OF TASK		Recognize electrical discontinuity		
		Replace broken test lead		
		Repair broken test lead		
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	The majority of gas and/or liquid pipelines are under cathodic protection; this is a standard O&M task in corrosion control.			
		Component Failure	Rectifier failure.	
		Fire / Explosion	Ignition of hydrocarbons	
		Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Employee could discover a leak while performing this task	




COVERED TASK	Electrically Inspect Bare Pipe		5	
DESCRIPTION	Pipeline operators must electrically inspect bare pipe in its pipeline systems that is not cathodically protected at intervals not exceeding 5 years.			
ELEMENTS OF TASK		Measure soil resistivity		
		Perform soil-to-soil surveys		
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	A close interval survey may be used but is not required.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition		Out of spec resistivity or low potential readings	
	Fire / Explosion		Ignition of hydrocarbons	
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered		Employee could discover a leak while performing this task	







COVERED TASK	Prevention of Atmospheric Corrosion		6	
DESCRIPTION	Each component in the pipeline system that is exposed to the atmosphere must be cleaned and coated with a suitable material to prevent atmospheric corrosion, and this protection must be maintained.			
ELEMENTS OF TASK		Sandblasting and/or surface preparation		
		Application of coating		
		Inspection of coatings		
		Inspection of insulation		
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	This is a standard O&M task and is normally considered as painting. "Coating" is used in the regulations, which emphasize corrosion control as opposed to painting for cosmetic reasons. This will include the inspection of spans, elevated sections of pipe, or other areas subject to atmospheric corrosion. Special attention to the inspection of pipeline systems that have insulation installed may be necessary to detect corrosion under the insulation.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition		Presence of atmospheric corrosion, pitting, etc.	
	Fire / Explosion		Ignition of hydrocarbons	
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered		Preparing surfaces for coating	



COVERED TASK	Measure Wall Thickness of Pipe		7
ELEMENTS OF TASK	 Using pit depth gauge		
	 Using ultrasonic thickness tester		
	 Measuring the affected corroded area		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	<p>Pipe strength analysis and/or other engineering evaluations conducted off-site are not covered tasks. However, activities to obtain pit depth or wall thickness measurements are covered tasks.</p> <p>Any pipe that is found to be corroded / pitted so that the remaining wall thickness is less than the minimum thickness required by the pipe specification tolerances must be replaced or repaired. Based on actual remaining wall thickness, operating pressures may be reduced in lieu of pipe repair or replacement.</p> <p>The strength of the pipe, based on actual remaining wall thickness measurements described above, may be determined by using the procedure in ASME B31G manual for Determining the Remaining Strength of Corroded Pipelines. The procedure developed by AGA / Batelle – A Modified Criterion for Evaluating the Remaining Strength of Corroded Pipe (with RSTRENG disk) may also be used.</p>		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Internal or external corrosion	
	Fire / Explosion	Ignition of hydrocarbon	
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Insufficient wall thickness	
	Pipeline System damage	Line hit, gouges	



COVERED TASK	Cathodic Protection Remediation		8	
DESCRIPTION	Cathodic protection systems installed on pipeline facilities must be tested and maintained to ensure adequate protection. As a result of annual surveys and other tests, remedial measures must be taken to correct changing conditions on the pipeline system. Retrofitting cathodic protection in these circumstances is a covered task.			
ELEMENTS OF TASK	☞	Install bonds and/or bond interface Install anodes	☞	Install test leads
	☞	Install rectifiers	☞	Conduct electrolyte resistivity measurements
	☞	Install groundbeds	☞	Clean, fill or monitor shorted casings
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Rectifiers may break down and need to be replaced or additional rectifiers may be required. Operators also replace anodes that have exceeded their useful lives. Installing an anode in these circumstances is a covered task. Installing test leads (test stations), checking soil resistivity and installing groundbeds are also covered tasks in these situations. Clearing a shorted casing, while not specifically addressed, is considered a covered task. Failure to correct a shorted casing can seriously impair the cathodic protection system and produce accelerated localized corrosion.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Low CP levels		
	Component Failure	Failure of rectifiers, coatings, anodes, leads, etc.		
	Fire / Explosion	Burn through during cadweld, ignition of vapors		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Leak within casings		

COVERED TASK	Monitoring for Internal Corrosion		9	
DESCRIPTION	Pipeline operators must take adequate steps to ensure that any corrosive effect of the transported gas and/or and/or liquid is mitigated. At least twice a year operators must examine coupons or other types of monitoring equipment to determine the effectiveness of the inhibitors or the extent of corrosion.			
ELEMENTS OF TASK	☞	Insertion and removal of coupons		
	☞	Monitor probes		
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	If the transported gas and/or and/or liquid is identified as corrosive to the pipe or other components of the pipeline system, the operator must take adequate steps to mitigate or control the corrosion. The analysis of a coupon at an offsite laboratory would not be considered part of this task.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Discovery of internal corrosion		
	Fire / Explosion	Ignition of hydrocarbon		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Leak from coupon holder		

COVERED TASK	Inspect Buried Pipe When Exposed		10
DESCRIPTION	Any time buried pipe is exposed, pipeline operators must examine the pipe for evidence of external corrosion.		
ELEMENTS OF TASK		Inspect for physical damage	
		Inspect for corrosion	
		Inspect the condition of coating	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	This task takes place when the opportunity to visually inspect normally buried pipe for external corrosion and/or for the condition of the pipe coating occurs. This does not apply to abandoned pipelines.		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Corrosion	
	Fire / Explosion	Ignition of hydrocarbon	
	Pipeline System Damage	Dent or gouge in pipe, damaged coating	
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Leak from exposed pipeline	



COVERED TASK	Inspect and Calibrate Overfill Protective Devices		11
DESCRIPTION	This task consists of the inspection, testing and adjustment activities performed on a breakout tank overfill protective device to ensure that it is functioning properly, is in good operating condition, and is adequate for the application.		
ELEMENTS OF TASK		Gas and/or and/or liquid level/oil height adjustments	
		Verifying alarm parameters	
		Verify operation of relief flow and indication devices	
		Adjusting timers or sequence events	
		On-site changes or corrections to ladder logic	
		Implementation of new or revised programming (software)	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Electrical Technicians, Instrument Technicians, Operations Personnel, or Communication Technician normally perform this task. Contract instrument service companies or contract control equipment personnel could also carry out this task.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Seals, faulty monitoring devices	
	Fire / Explosion	Ignition of released hydrocarbons	
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Free product in standpipe	




COVERED TASK	Internal Corrosion Remediation		12	
DESCRIPTION	If corrosion inhibitors are used to mitigate internal corrosion, the operator must inject the inhibitor in sufficient quantities to ensure design coverage of the inhibitor. This task has the associated activities of starting, stopping or controlling inhibitor injection.			
ELEMENTS OF TASK		Controlling the injection rate of the inhibitor		
		Monitoring the injection rate of the inhibitor.		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Does task affect the operation or integrity of the pipeline?			
	<input checked="" type="checkbox"/> <input type="checkbox"/>			
ABNORMAL OPERATING CONDITIONS	If the transported product is identified as corrosive to the pipe or other components of the pipeline system, the operator must take adequate steps to mitigate or control the corrosion.			
	Component Failure	Malfunction of pump, meters, connecting lines of corrosion inhibitor		



COVERED TASK	Inspect Internal Pipe Surfaces		13	
DESCRIPTION	The operator must inspect the internal surface for evidence of corrosion whenever any pipe is removed from the pipeline system. If the pipe is corroded such that the remaining wall thickness is less than minimum requirements, the operator must investigate and inspect the adjacent pipe to determine the extent of corrosion.			
ELEMENTS OF TASK		Visual inspection of the internal surface		
		Measurement of wall thickness		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Does task affect the operation or integrity of the pipeline?			
	<input checked="" type="checkbox"/> <input type="checkbox"/>			
ABNORMAL OPERATING CONDITIONS	Pipe strength analysis and/or other engineering evaluations conducted off-site are not covered tasks. However, activities to obtain pit depth or wall thickness measurements are covered tasks. Any pipe that is found to be corroded or pitted so that the remaining wall thickness is less than the minimum thickness required by the pipe specification tolerances must be replaced. Based on actual remaining wall thickness, operating pressures may be reduced in lieu of pipe repair or replacement.			
	Abnormal Facility Condition	Inadequate wall thickness		
	Fire / Explosion	Ignition of hydrocarbons		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Failure of isolation		




COVERED TASK	Application and Repair of External Coatings		14
DESCRIPTION	This task is performed when the external protective coating on in-service pipe is found to be damaged or defective (i.e. contains a "holiday", has disbanded, or deteriorated for any reason, etc.). This task includes field application and re-coating procedures. Coating application or repairs made off-site or prior to the pipeline being put into service (during construction) are not covered tasks.		
ELEMENTS OF TASK	<input type="checkbox"/> Removal of pipe coating in area of defect <input type="checkbox"/> Cleaning and preparation of pipe to accept coating repair <input type="checkbox"/> Preparation of coating material to be applied <input type="checkbox"/> Application of new coating to defective area		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline?		
	<input checked="" type="checkbox"/> <input type="checkbox"/>		
ABNORMAL OPERATING CONDITIONS	Applying or repairing coating as part of maintenance of an existing line is a covered task. Applying coating at a mill, coating facility or other location away from the pipeline facility is not a covered task. Re-coating an existing pipeline because the coating has deteriorated or applying coating to an existing uncoated line are maintenance tasks performed on the pipeline facility and are covered tasks. Applying coating patches after coating has been removed to allow repairs is also a covered task. Field application of external coating is considered a construction task if performed on a new pipeline segment that is not tied to an active line. This includes applying coating at joints after construction-related welding.		
	Pipeline System Damage	Dents, gouges, etc.	
	Component Failure	Damaged coating	
	Fire / Explosion	Fire from use of torches, etc.	
ABNORMAL OPERATING CONDITIONS	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Employee could discover a leak while performing this task	

COVERED TASK	Place and Maintain Line Markers		15
DESCRIPTION	Each operator is required to place and maintain line markers over each buried pipeline so that the pipeline location is accurately communicated.		
ELEMENTS OF TASK	<input type="checkbox"/> Locate line <input type="checkbox"/> Install marker		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline?		
	<input checked="" type="checkbox"/> <input type="checkbox"/>		
ABNORMAL OPERATING CONDITIONS	Line markers must meet the specifications outlined in Part 192/195.		
	Abnormal Facility Condition	Line marker is missing or installed in wrong location	
ABNORMAL OPERATING CONDITIONS	Pipeline System Damage	Damaging the pipe/coating while installing the marker.	

COVERED TASK	Inspect Surface Conditions of Right-of-Way		16	
DESCRIPTION	Each operator is required to inspect the surface conditions of the pipeline Right Of Way (ROW) and adjacent areas. Walking, driving, flying or other appropriate means of traversing the ROW are methods of performing this task. Air patrol pilots (line flyers) are performing this covered task when they fly the ROW.			
ELEMENTS OF TASK		Visual inspection of the surface		
		Reporting protocols		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Does task affect the operation or integrity of the pipeline?			
	<input checked="" type="checkbox"/>			
	<input type="checkbox"/>			
	None applicable			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Wash out, construction on ROW, equipment on ROW		
	Fire / Explosion	Ignition of released hydrocarbons		
	Pipeline System Damage	Vandalism, support damage		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Dead vegetation, product on water		

COVERED TASK	Inspect Navigable Waterway Crossing		17	
DESCRIPTION	At least every five years, operators are required to inspect each crossing under a navigable waterway to determine the condition of the crossing.			
ELEMENTS OF TASK		Use of probing equipment		
		Use of sonar equipment		
		Reporting protocols		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Does task affect the operation or integrity of the pipeline?			
	<input checked="" type="checkbox"/>			
	<input type="checkbox"/>			
	Offshore pipelines are exempt from this task			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Exposed / undercut pipe, inadequate pipeline support		
	Pipeline System Damage	Coating anomalies, pipe damage		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Employee could discover a leak while performing this task		







COVERED TASK	Inspection of Breakout Tanks		18	
DESCRIPTION	Function of regulatory compliance and inspection for breakout tanks.			
ELEMENTS OF TASK		Inspect breakout tanks in accordance with API Standard 653		
		Inspect breakout tanks in accordance with API Standard 510		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES				
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Leaking tanks		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Employee could discover a leak while performing this task.		







COVERED TASK	Provide Temporary Marking of Buried Pipeline Prior to Excavation		19	
DESCRIPTION	Pipeline operators are required to provide temporary marking of all buried pipelines in the areas of excavation activity as far in advance of the actual excavation work as practical. Monitoring and inspection during the excavation must also be provided to verify the integrity of the pipeline.			
ELEMENTS OF TASK		Locate line		
		Install appropriate temporary markers		
		Determine depth of pipeline		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Persons who perform this task need to follow the local and state requirements. This may include permitting, one-call systems, etc. Offshore pipelines are exempt from this task.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Line marker is missing or installed in the wrong location.		






COVERED TASK	Inspection Following Excavation Activities and Leak Survey After Blasting		20	
DESCRIPTION	Inspection after excavation activities must be performed to verify the integrity of the pipeline. Excavation activities include excavation, blasting, boring, tunneling, backfilling, the removal of aboveground structures by either explosive or mechanical means, and other earth moving operations. In the case of blasting, any inspection must include leakage surveys.			
ELEMENTS OF TASK	<ul style="list-style-type: none"> <input type="checkbox"/> Utilize leak survey techniques <input type="checkbox"/> Monitor for pressure loss <input type="checkbox"/> Inspect for physical damage <input type="checkbox"/> Inspect for corrosion <input type="checkbox"/> Inspect for condition of coating 			
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	The leakage survey is typically a visual inspection of the right-of-way or area closest to the blasting impact to check for any evidence of leaks or damage to the pipeline. The monitoring for pressure loss is often performed by Pipeline Controllers.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Corrosion		
	Fire / Explosion	Ignition of released hydrocarbons		
	Pipeline System Damage	Damaged pipe, unexpected soil movement		
	Unexpected Hazardous Gas and/or, liquid or carbon dioxide Encountered	Employee could discover a leak while performing this task		





COVERED TASK	Provide Security for Pipeline Facilities		21	
DESCRIPTION	This task consists of the practices necessary to prevent vandalism and unauthorized entry into a breakout tank area, pumping station or other exposed facility.			
ELEMENTS OF TASK	<ul style="list-style-type: none"> <input type="checkbox"/> Inspect perimeter fencing and signs <input type="checkbox"/> Monitoring by remote security devices <input type="checkbox"/> Maintain integrity of fence 			
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Tank Coordinators, Pipeliners, Pipeline Maintenance Foremen, and Operations Personnel normally perform this task. Contract tankage service companies and contract maintenance personnel could also carry out this task. This is a combination task of ensuring that safeguards are in place (gates, locks, barriers, etc.) and also a task of awareness for unauthorized personnel.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Vandalism or other breach of security		




COVERED TASK	Inspect Valves		22
DESCRIPTION	This task consists of the inspection activities performed on each valve that is necessary for safe operation of a pipeline. This applies to block valves, manifold valves, tank valves, pump suction / discharge valves, check valves, pressure control valves and any other valves (except relief valves) that are in service and physically connected to the pipeline system.		
ELEMENTS OF TASK	<ul style="list-style-type: none"> ☞ Verify location of valve to be inspected ☞ Check the accessibility of the valve ☞ Verify the valve number and nameplate data ☞ Verify valve type and manufacturer ☞ Check for leaks, damage or corrosion ☞ Operate the valve to verify that it operates properly ☞ Return valve to original position ☞ Re-lock in proper position or provide security as appropriate ☞ Document results 		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Mechanical Technicians, Pipeliners, Pipeline Maintenance Foreman, or contractor personnel normally perform this task.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Valve stem damage, operator failure	
	Communications, Control Systems or Power Interruption	Interruption while operating valve	
	Activation of Safety Device	System overpressure	
	Fire / Explosion	Ignition of released hydrocarbons	
	Unexpected Hazardous Gas and/or, liquid or carbon dioxide Encountered	Gasket failure, seal failure, thermal relief leaking	







COVERED TASK	Repair Valves		23
DESCRIPTION	This task consists of the repair activities performed on each valve that is necessary for safe operation of a pipeline. This applies to block valves, manifold valves, tank valves, pump suction / discharge valves, check valves, pressure control valves and any other valves (except relief valves) that are in service and physically connected to the pipeline system.		
ELEMENTS OF TASK		Disassembly of valve	
		Cleaning and inspection of valve's internal components	
		Repair or replacement of failed or worn components	
		Re-assembly of valve and return to operating condition	
		Repair or adjustment of the valve actuator	
		Document results	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Mechanical Technicians and/or Electrical Technicians normally perform this task. Pipeliners, Pipeline Maintenance Foremen, contract valve service companies, or contractor maintenance personnel could also perform this task.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Stem or operator failure, worn, defective components	
	Communications, Control Systems or Power Interruption	After repair, potential communication or control system problems	
	Activation of Safety Device	During isolation process, after repair, resetting limits, etc.	
	Fire / Explosion	Ignition of released hydrocarbons	
	Unexpected Hazardous Gas and/or, liquid or carbon dioxide Encountered	Pressurized trapped hydrocarbons within valve body, failure of isolation	

COVERED TASK	Inspect, Test, and Calibrate Relief Devices		24
DESCRIPTION	This task consists of the activities performed on a relief valve to verify that it is functioning properly, in good mechanical condition, and is adequate for the application.		
ELEMENTS OF TASK		Verify location of valve to be inspected	
		Verify the valve number and nameplate data	
		Verify valve type and manufacturer	
		Test and calibrate valve	
		Visually inspect valve for leaks or corrosion	
		Document results	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Mechanical Technicians or Electrical Technicians normally perform this task. Pipeliners, Pipeline Maintenance Foremen, contract valve service companies, or contractor maintenance personnel could also perform this task.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Exceed maximum design pressure	
	Fire / Explosion	Ignition of released hydrocarbon	
	Unexpected Hazardous Gas and/or, liquid or carbon dioxide Encountered	Leaking isolation valve, trapped pressurized hydrocarbons within valve body	

COVERED TASK	Maintain / Repair Relief Valves		25
DESCRIPTION	This task consists of the repair and maintenance activities performed on a relief valve in service on an existing pipeline system. This applies to maintaining or restoring design function.		
ELEMENTS OF TASK		Disassembly of valve	
		Cleaning and inspection of valve's internal components	
		Repair or replacement of failed or worn components	
		Re-assembly of valve and return to operating condition	
		Repair, adjustment, or calibration of relief valve sensing or control devices	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline?		
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
ABNORMAL OPERATING CONDITIONS	Component Failure	Incorrect re-assembly of valve	
	Fire / Explosion	Ignition of released hydrocarbon	
	Unexpected Hazardous Gas and/or, liquid or carbon dioxide Encountered	Leaking isolation valve	

COVERED TASK	Inspect ,Test and Calibrate Pressure Limiting Devices		26
DESCRIPTION	This task consists of the inspection, testing and calibration activities performed on an overpressure safety device to verify that it is functioning properly, in good operating condition, and is adequate for the application. This does not include relief valves.		
ELEMENTS OF TASK		Inspect and test pilot operated devices	
		Inspect and test control valve positioner or sensing devices	
		Inspect and replace rupture discs	
		Document results	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline?		
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
ABNORMAL OPERATING CONDITIONS	Component Failure	Isolation valve malfunction, mechanical malfunctions of device	
	Activation of Safety Device	Improper sizing of rupture disc, improper parameter settings of components	
	Fire / Explosion	Ignition of released hydrocarbon	
	Unexpected Hazardous Gas and/or, liquid or carbon dioxide Encountered	Leaking isolation valve, leaking valve stem	

COVERED TASK	Inspect, Test and Calibrate Pressure Switches and Transmitters		27
DESCRIPTION	This task consists of the inspection, testing and calibration activities performed on a pressure measurement or control device to verify that it is functioning properly, in good operating condition, and is adequate for the application.		
ELEMENTS OF TASK		Inspect, test and calibrate pressure switches	
		Inspect, test and calibrate pressure transmitters	
		Document results	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	None Applicable		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Station lock-out; unit lock-out	
	Activation of a Safety Device	Improper calibration	
	Fire / Explosion	Ignition of released hydrocarbon	
	Unexpected Hazardous Gas and/or, liquid or carbon dioxide Encountered	Failure to close or plug bleeder valve	
	Unexplained Status Change	Unit starts/stops unintentionally	



COVERED TASK	Verify or Set Protection Parameters for Programmable Controllers and/or Other Instrumentation Control Loops		28
DESCRIPTION	This task consists of the inspection, testing and calibration activities performed on a Programmable Logic Controller (PLC), process controller, or other instrumentation control loop to verify that it is functioning properly, in good operation condition, and is adequate for the application.		
ELEMENTS OF TASK		Zero, span and differential adjustments	
		Adjusting pressure set point	
		Adjusting timers or sequence events	
		On-site changes or corrections to ladder logic	
		Implementation of new or revised programming (software)	
		Documentation results	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Engineers, Programmers, Electrical Technicians, Instrument Technicians, or Electronics Technicians normally perform this task. Contract instrument service companies or contract control equipment personnel could also carry out this task.		
ABNORMAL OPERATING CONDITIONS	Activation of a Safety Device	Activate relief valve	
	Unexplained Status Change	Unintentional station shutdown	





COVERED TASK	Moving In-Service Pipe		29
DESCRIPTION	This task consists of the activities required to move or re-position (raise, lower, lateral) a section of the pipeline while it is in operation.		
ELEMENTS OF TASK	☛	Determine the product type (consideration for HVL)	
	☛	Determine allowable line pressure	
	☛	Pipe lifting	
	☛	Support pipe	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline?		
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
ABNORMAL OPERATING CONDITIONS	This task is normally performed or supervised by Pipeline Maintenance Foremen, Pipeliners, Project Engineers, or designated inspectors. Contract pipeline construction companies and contract pipeline maintenance personnel also commonly carry out this task.		
	Abnormal Facility Condition	Corrosion	
	Component Failure	Valve failure, weld/seam failure, flange, joint	
	Fire / Explosion	Ignition of released hydrocarbons	
	Pipeline System Damage	Wrinkle, buckle, over-stress, gouge, dent, unexpected movement of pipe, damage of coating	
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Failure of pipe, discovery of previous leak	

COVERED TASK	Inspect Existing Pipe Following Movement		30
DESCRIPTION	This task consists of the observation and awareness activities required when moving a section of pipe in a ditch (trench).		
ELEMENTS OF TASK	☛	Ensure that secondary stresses are minimized	
	☛	Ensure that pipe or coating is not damaged	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline?		
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
ABNORMAL OPERATING CONDITIONS	This task is normally performed or supervised by Pipeline Maintenance Foremen, Pipeliners, Project Engineers, or designated inspectors. Contract pipeline construction companies and contract maintenance personnel also commonly perform this task.		
	Component Failure	Valve failure, weld/seam failure, flange, joint	
	Fire / Explosion	Ignition of released hydrocarbons	
	Pipeline System Damage	Wrinkle, buckle, over-stress, gouge, dent	

COVERED TASK	Inspection of Clearance of Existing Pipe to Underground Structures		31
DESCRIPTION	This task consists of the inspection activities required to ensure that adequate clearance is provided between the outside of the pipe and the extremity of any other underground structures.		
ELEMENTS OF TASK	<input type="checkbox"/> Foreign crossing inspections <input type="checkbox"/> Inspection/testing for proper corrosion control <input type="checkbox"/> Conducting interference tests		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	This task is normally performed or supervised by Pipeline Maintenance Foremen, Corrosion Technicians, Pipeliners, Project Engineers, or designated inspectors. Contract pipeline construction companies and contract pipeline maintenance personnel also carry out this task.		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Corrosion	
	Fire / Explosion	Ignition of released hydrocarbons	
	Pipeline System Damage	Corrosion, coating damage	
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Leak from exposed pipeline	



COVERED TASK	Abandoning, Safe Disconnect, Purging and Sealing of Pipeline Facilities		32
DESCRIPTION	This task consists of decommissioning or removing a pipeline facility from service, permanently or temporarily.		
ELEMENTS OF TASK	<input type="checkbox"/> Safe disconnect <input type="checkbox"/> Purging <input type="checkbox"/> Sealing		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Not Applicable		
ABNORMAL OPERATING CONDITIONS	Fire / Explosion	Ignition of released hydrocarbons	
	Unexpected hazardous gas, liquid or carbon dioxide encountered	Release during purging	





COVERED TASK	Installation or Repair of Support Structures on Existing Aboveground Components		33	
DESCRIPTION	<p>This task consists of the activities required to fit or mount additional or revised support elements to existing aboveground structures, such as:</p> <ul style="list-style-type: none"> • Overhead crossings of highways, railroads, or a body of water • Spans over ditches and gullies • Scraper traps or block valves • Manifold valves and piping 			
ELEMENTS OF TASK		Proper installation techniques to protect the pipe and coating from damage		
		Inspection of support and pipe to ensure that pipe is protected against stress		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	This task is normally performed or supervised by Pipeline Maintenance Foreman, Pipeliners, Project Engineers, or designated inspectors. Contract pipeline construction companies and contract pipeline maintenance personnel also commonly carry out this task. Support for each aboveground structure must provide protection from the forces exerted by the anticipated loads.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Valve failure, weld/seam failure, flange, joint		
	Fire / Explosion	Ignition of released hydrocarbons		
	Pipeline System Damage	Wrinkle, buckle, over-stress, gouge, dent		

COVERED TASK	Inspection Activities for Tie-Ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline		34	
DESCRIPTION	This task consists of inspection activities required during the various removal and installation activities performed as maintenance on a pipeline system.			
ELEMENTS OF TASK		Ensure proper installation		
		Ensure that pipe, coating, or component is not damaged		
		Ensure that material meets specifications		
		Visual inspection and/or non-destructive testing		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	This task is normally performed or supervised by Pipeline Maintenance Foremen, Pipeliners, Project Engineers, or designated inspectors. Contract pipeline construction companies and contract pipeline maintenance personnel may also carry out this task.			
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Material does not meet specifications		
	Component Failure	Valve failure, weld/seam failure, flange, joint		
	Fire / Explosion	Ignition of released hydrocarbons		
	Pipeline System Damage	Wrinkle, buckle, over-stress, gouge, dent		
	Unexpected hazardous gas, liquid or carbon dioxide encountered	Failure of isolation device		

COVERED TASK	Backfilling a Trench Following Maintenance		35
DESCRIPTION	This task includes conducting backfilling a trench and inspection of backfill material.		
ELEMENTS OF TASK	Typical activities may include but are not limited to:		
	<input type="checkbox"/>	Backhoe operation.	
4 PART QUESTION	<input type="checkbox"/>	Inspection of backfill material for rocks which could dent / gouge the pipeline.	
			YES NO
		Is task performed on a pipeline?	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Is the task required by Part 192/195?	<input checked="" type="checkbox"/> <input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline? <input checked="" type="checkbox"/> <input type="checkbox"/>		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Pipe defect in area of backfill.	
	Fire / Explosion	Ignition of released hydrocarbons	

COVERED TASK	Perform General Pipeline Repair Activities		36
DESCRIPTION	This task encompasses the general maintenance and repair activities that are involved in the safeguarding and prudent operation of a pipeline system.		
ELEMENTS OF TASK	Typical activities may include but are not limited to:		
	<input type="checkbox"/>	Installing pipe repair sleeves (Weld+Ends, Clocksprings, full encirclements, etc.)	
	<input type="checkbox"/>	Pipe or pipeline component replacement	
	<input type="checkbox"/>	Installing stopple fittings or stopping devices	
	<input type="checkbox"/>	Hot tapping	
4 PART QUESTION	<input type="checkbox"/>	Venting and/or blow-down of inert gases or entrained air	
			YES NO
		Is task performed on a pipeline?	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Is the task required by Part 192/195?	<input checked="" type="checkbox"/> <input type="checkbox"/>
NOTES	Does task affect the operation or integrity of the pipeline? <input checked="" type="checkbox"/> <input type="checkbox"/>		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Corrosion or pipe defect in area to be welded	
	Fire / Explosion	Ignition of released hydrocarbons	

COVERED TASK	Conduct Pressure Tests		37
DESCRIPTION	This task consists of the activities required for the pressure testing of the pipeline and components of the pipeline system, such as: <ul style="list-style-type: none"> • Pressure testing for MOP certification or upgrade • Pressure testing of pipe at tie-ins 		
ELEMENTS OF TASK		Performing pressure test	
		Recording pressure test results	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	This task is normally performed or supervised by Pipeline Maintenance Foremen, Pipeliners, Project Engineers, Mechanical Technicians, Electrical Technicians, Instrument Technicians, or designated inspectors. Contract pipeline construction companies, contract inspection service companies, and contract pipeline maintenance personnel may also carry out this task.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Valve failures, piping failure	
	Fire / Explosion	Ignition of released hydrocarbons	
	Unexpected hazardous gas, liquid or carbon dioxide encountered	Free product in standpipe	
	Unexplained pressure deviations	Pipe failure during test.	





COVERED TASK	Welding on Existing Pipelines		38
DESCRIPTION	This task includes all activities and procedures that are required for maintenance welding jobs; i.e. any welding performed on an existing, in-service pipeline.		
ELEMENTS OF TASK		Repair and/or removal or arc burns	
		Repair and/or removal of defective welds	
		Tie in welds	
		Fittings	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	The task is normally supervision or inspection task performed by Pipeline Maintenance Foremen, Pipeliners, Project Engineers, or designated inspectors. Contract pipeline construction companies, contract inspection service companies, and contract pipeline maintenance personnel may also carry out this task. Whether the pipeline operator's own welders or contract welders perform this task, welding on an existing, in-service pipeline system is a covered task. The qualification of welders is covered under 49 CFR 192.227 (gas) and 49 CFR 195.222 (liquid) in accordance with section 3 of API Standard 1104 or section IX of the ASME Boiler and Pressure Vessel Code.		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Corrosion	
	Fire / Explosion	Ignition of released hydrocarbons	
	Pipeline System Damage	Pipe defect in area to be welded, arc burn	
	Unexpected hazardous gas, liquid or carbon dioxide encountered	Failure of isolation device, burn through	



COVERED TASK	Operations of Pipeline System		39
DESCRIPTION	This task includes activities and procedures that are required for safe and prudent operation of the pipeline and any emergency activities performed on the pipeline facilities such as valve closure or isolation of pipeline facilities)		
ELEMENTS OF TASK	<ul style="list-style-type: none"> <input type="checkbox"/> Start-up/Shutdown <input type="checkbox"/> Maintain pressure within allowable limits <input type="checkbox"/> Manually or remotely open or close valves or other equipment <input type="checkbox"/> Monitor and operate control devices <input type="checkbox"/> Monitor flow rates <input type="checkbox"/> Monitor communications <input type="checkbox"/> Monitor leak detection and line integrity 		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Pipeline controllers, control centers, or field operations personnel normally perform the tasks in this group of covered tasks. In some instances, contract personnel could perform some types of pipeline operations covered tasks. Control centers, although usually remote from the pipeline, are connected to the components that they monitor and/or operate and are therefore considered part of the pipeline facility.		
ABNORMAL OPERATING CONDITIONS	Abnormal Facility Condition	Activation of a Safety Device	
	Communications, Control System or Power Interruption or Failure	Fire/Explosion	
	Pipeline System Damage	Unexpected Hazardous Gas, liquid or carbon dioxide Encountered	
	Unexplained Flow Rate Deviations	Unexplained Pressure Deviations	
	Unexplained Status Change	Pipeline System Damage	



COVERED TASK	Computational Pipeline Monitoring Leak Detection		40
DESCRIPTION	Perform leak detection using CPM equipment.		
ELEMENTS OF TASK	<ul style="list-style-type: none"> <input type="checkbox"/> Understand functions of CPM equipment <input type="checkbox"/> Test, calibrate, repair, replace, and maintain CPM equipment <input type="checkbox"/> Verify that the leak detection system meets design specifications. 		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES			
ABNORMAL OPERATING CONDITIONS	Communications, Control System or Power Interruption or Failure	Fire/Explosion	
	Pipeline System Damage	Unexpected Hazardous Gas, liquid or carbon dioxide Encountered	



COVERED TASK	Operate Pressure-Relieving Devices for Launching and Receiving Facilities		41
DESCRIPTION	This task consists of the activities required to relieve pressure and verify the absence of pressure prior to opening the launching/receiving device.		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Electrical Technicians, Instrument Technicians, Communications Technicians, or Electronics Technicians normally perform this task. Contract instrumentation service companies or contract control equipment personnel could also carry out this task.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Relief valve failure, launch pin failure, stuck pig	
	Fire / Explosion	Ignition of released hydrocarbons	
	Unexpected Hazardous Gas, liquid or carbon dioxide Encountered	Trap o-ring leak	
	Unexplained Pressure Deviations	Pressure still in launch/receive barrel	





COVERED TASK	Performing Maintenance on Valves		42
DESCRIPTION	This part applies to rebuilding valves.		
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	Valve contractors normally perform this task.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Relief valve failure, launch pin failure, stuck pig	
	Fire / Explosion	Ignition of released hydrocarbons	
	Unexpected Hazardous Gas, liquid or carbon dioxide Encountered	Trap o-ring leak	
	Unexplained Pressure Deviations	Pressure still in launch/receive barrel	


COVERED TASK	Perform Flange Bolting Procedures		43	
DESCRIPTION	Procedures for performing flange bolting.			
ELEMENTS OF TASK		Understand the purpose of and identify hazards associated with flange bolting procedures.		
		Understand how to avoid pinch points		
		Perform flange assembly general procedures (make-up)		
		Perform flange disassembly general procedures (break-out)		
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
ABNORMAL OPERATING CONDITIONS	Component Failure	Grease button failure, bevel gear operator		
	Fire / Explosion	Ignition of released hydrocarbon		
	Unexpected Hazardous Gas and/or gas, liquid or carbon dioxide Encountered	Packing leaks, seat may not reseal.		




COVERED TASK	Perform Leakage Survey		45	
DESCRIPTION	This task consist of utilization of a combustible gas indicator / flame ionization unit in accordance with 49 CFR 192. This task may include visual examination of right-of-way in Class 1 location without utilization of leak detection equipment.			
ELEMENTS OF TASK		Conducting leak survey.		
		Visual examination of right-of-way.		
4 PART QUESTION			YES	NO
	Is task performed on a pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
ABNORMAL OPERATING CONDITIONS	Component Failure	Leaking valves / piping.		
	Fire / Explosion	Leaks in explosive atmosphere.		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Leaks on the pipeline		



COVERED TASK	Vault Maintenance		46
DESCRIPTION	Perform vault maintenance.		
ELEMENTS OF TASK		Function of vault maintenance.	
		Perform vault maintenance.	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ABNORMAL OPERATING CONDITIONS	Component Failure	Vault failure	
	Fire / Explosion	Ignition of released hydrocarbon	
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system damage	

COVERED TASK	Purge a Pipeline		48
DESCRIPTION	Safely purge hydrocarbons or air from a pipeline.		
ELEMENTS OF TASK		Remove hydrocarbons from a pipeline.	
		Remove air from a pipeline.	
4 PART QUESTION		YES	NO
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTES	This task includes purging a pipeline for routine maintenance, emergency conditions, taking a pipeline out of service, putting a pipeline in service.		
ABNORMAL OPERATING CONDITIONS	Component Failure	Valve stuck in open / closed position.	
	Fire / Explosion	Ignition of released hydrocarbons.	
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Leaks on the pipeline	

COVERED TASK	Testing an Emergency Shutdown Device		50	
DESCRIPTION	This task includes testing an emergency shutdown device.			
ELEMENTS OF TASK	<ul style="list-style-type: none">  Isolating ESD.  Isolating portions of pipeline.  Shutting down a pipeline system.  Starting up a pipeline system. 			
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	This task is normally performed by contractor personnel.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Non-functioning ESD.		
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or, liquid or carbon dioxide encountered	Leak in valves and/or associated piping.		



COVERED TASK	Perform Incremental Pressure Increases to Uprate MAOP		51	
DESCRIPTION	Perform Incremental Pressure Increases to Uprate maximum allowable operating pressure.			
ELEMENTS OF TASK	<ul style="list-style-type: none">  Perform incremental pressure increases. 			
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure		



COVERED TASK	Operate Odorant Equipment		52	
DESCRIPTION	Characteristics of odorants and requirements for odorants in natural gas pipelines.			
ELEMENTS OF TASK		Determine odorization injection rates and test for odorant levels.		
		Recognize the different types of odorant injection equipment.		
		Operate and maintain an odorant injection system.		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Personnel must follow company procedures while performing this task.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Equipment failure.		
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure.		

COVERED TASK	Gas Detection & Alarm System Maintenance and Performance Testing		54	
DESCRIPTION	Perform alarm system maintenance and performance testing.			
ELEMENTS OF TASK		Identify and describe gas detection devices and their alarm systems		
		Calibrate, test, and maintain gas detection systems.		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	This task is normally performed by contractor personnel.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Equipment failure.		
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure.		

COVERED TASK	Isolation of a Gas Compressor Unit		55	
DESCRIPTION	Isolate a gas compressor unit.			
ELEMENTS OF TASK	☛	Prepare an isolated compressor unit for startup		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Isolating a gas compressor unit from a pipeline system.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Equipment failure.		
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure.		

COVERED TASK	Compressor Station Inspection and Testing of Remote Control Shutdown Devices		56	
DESCRIPTION	Inspection of compressor stations and testing remote control shutdown devices.			
ELEMENTS OF TASK	☛	Identify and describe remote control shutdown devices and associated terms.		
	☛	Test remote control shutdown devices.		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ABNORMAL OPERATING CONDITIONS	Component Failure	Equipment failure.		
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure.		

COVERED TASK	Startup, Shutdown and Operation of a Turbine Driven Gas Compressor Unit		57	
DESCRIPTION	Operation of an engine turbine driven gas compressor unit.			
ELEMENTS OF TASK		Start-up a turbine driven gas compressor unit.		
		Shutdown of a turbine driven gas compressor unit.		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Understand the operation of a turbine driven gas compressor unit.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Equipment failure.		
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure.		

COVERED TASK	Startup, Shutdown and Operation of a Engine Driven Gas Compressor Unit		58	
DESCRIPTION	Operation of an engine driven gas compressor unit.			
ELEMENTS OF TASK		Start-up an engine driven gas compressor unit.		
		Shutdown of an engine driven gas compressor unit.		
4 PART QUESTION		YES	NO	
	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	Understand the operation of an engine driven gas compressor unit.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Equipment failure.		
	Fire / Explosion	Ignition of released hydrocarbons.		
	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure.		

COVERED TASK	Documentation, Reporting, & OQ Recordkeeping		61	
DESCRIPTION	Identify and maintain required documentation.			
ELEMENTS OF TASK	☛	Identify safety related conditions that require reporting.		
ELEMENTS OF TASK	☛	Identify Operator Qualifications recordkeeping requirements.		
4 PART QUESTION		YES	NO	
4 PART QUESTION	Is task performed on a pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4 PART QUESTION	Is the task an Operations or Maintenance Task?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4 PART QUESTION	Is the task required by Part 192/195?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4 PART QUESTION	Does task affect the operation or integrity of the pipeline?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
NOTES	All required documentation must be maintained.			
ABNORMAL OPERATING CONDITIONS	Component Failure	Equipment failure.		
ABNORMAL OPERATING CONDITIONS	Fire / Explosion	Ignition of released hydrocarbons.		
ABNORMAL OPERATING CONDITIONS	Unexpected hazardous gas and/or gas, liquid or carbon dioxide encountered	Pipeline system failure.		