



Bobcat Gas Storage
Attachment 1
Project Manager's Project OQ Covered Task Checklist
Revised 5/19/2009

Project Task	Date	Project Manager	Contractor
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OQ Covered Tasks on this project?: Yes No If **yes**, complete remainder of form to accompany bid process and attach to final contract. If **no**, print only the **1st page** and file with the final contract.

Directions for the Projector Manager: Check the "to Be Performed" column for every covered task to be performed during this project task by company or contract personnel.

Directions for Contractor: For each covered task with a check in the "To Be Performed by Contractor" column, check the box in the fourth column if OQ qualified personnel will be available when the task(s) must be performed.

Span of Control: This column identifies the span of control for directing and observing non-qualified workers on each covered task. It is expressed in the form of a ratio. For example, 1:1 span of control means that 1 OQ qualified employee can direct and observe only 1 unqualified worker performing that specific task.

Bobcat Covered Task	Span of Control	To Be Performed by Company	To Be Performed by Contractor	OQ Qualified Personnel Available
Measure Structure to Electrolyte (Pipe to Soil) Potential	1:1			
Inspect and Monitor Galvanic Ground Beds/Anodes	1:1			
Installation and Maintenance of Mechanical Electrical Connections (Test Leads)	1:1			
Inspect or Test Cathodic Protection Electrical Isolation Devices	1:1			
Install Cathodic Protection Electrical Isolation Devices	1:1			
Troubleshoot In-Service Cathodic Protection System	1:1			
Inspect Rectifier and Obtain Readings	1:1			
Visual Inspection for Atmospheric Corrosion	1:1			
Visual Inspection of Buried Pipe & Components when Exposed; Visual Inspection of Pipe & Components for Mechanical Damage: and Visually Inspecting Pipe & Components Prior to Installation	1:1			
Visual Inspection of Internal Corrosion	1:1			
Measure External and Atmospheric Corrosion	1:1			
Measure Internal Corrosion	1:1			
Inspect, Test, Maintain Sensing Devices Commission and Maintain Sensing Devices	1:1			
Manually Opening and Closing Valves	1:3			

Adjust or Monitor Flow or Pressure – Manual Valve Operation	1:3			
Valve Corrective Maintenance	1:3			
Valve – Visual Inspection and Partial Operation	1:2			
Spring Loaded, Pilot-Operated and Controller Type Pressure Regulating & Limiting Devices Inspection, Testing, Preventative and Corrective Maintenance	1:2			
Spring Loaded and Pilot-Operated Type Pressure Limiting & Relief Devices Inspection, Testing, Preventative and Corrective Maintenance	1:2			
Pressure Test - Nonliquid Medium MAOP Greater Than or Equal to 100psi	1:1			
Leak Test at Operating Pressure	1:1			
Non-Destructive Test/Examination of Welds - Radiographic, Liquid Penetrate & Ultrasonic	1:1			
Joining of Pipe - Flange Assembly	1:3			
Tubing and Fitting Installation – Instrument, Control and Sampling	1:2			
Installation of Steel Pipe in a Ditch & Backfilling	1:5			
Above Ground Supports and Anchors, Inspection, Preventive, and Corrective Maintenance	1:3			
Coating Application and Repair – Brushed or Rolled	1:5			
Coating Application and Repair – Sprayed	1:5			
External Coating Application and Repair – Wrapped	1:3			
Tapping a Pipeline	1:1			
Gas Leak Investigation - Inside Gas Leak Investigation - Outside Gas Leak Investigation	1:1			
Walking Gas Leak Survey	1:1			
Locate Underground Pipelines	1:1			
Install and Maintain Pipeline Markers	1:5			
Inspect Pipeline Surface Conditions - Patrol Right of Way or Easement	1:1			
Damage Prevention During Excavation by or on Behalf of Bobcat Gas Storage - <i>Inspection During Third Party Excavation or Encroachment Activities as Determined Necessary</i>	1:1			
Determining Maximum Operating Pressure MAOP	1:1			
Excavation	1:2			
Pipeline System Up-rating – De-rating	1:3			
Pipeline Repair Procedure	1:3			
Purging Pipelines	1:3			

Gas Blowdown and Venting	1:3			
Gas Pipeline Abandonment and/or Deactivation	1:3			
Accidental Ignition Prevention	N/A			
Class Location and Population Density Survey and Continuing Surveillance	1:1			
Abnormal Operating Conditions (AOCs)	N/A			
General Operating Requirements - Pipeline Start-up and Shutdown	1:0			
Operation of Pipeline System – Pipeline Pigging	1:2			
Notification of One - Call	N/A			
Accident/Incident Investigation	1:1			
Emergency Shutdown - (ESD) System Device – Commissioning, Preventive and Corrective Maintenance	1:1			
Compressor Safety - Compressor Initial Start-up	1:1			
Compressor Operations and Preventive Maintenance	1:1			
Repair of Arc Burns on in-service gas facilities	1:1			
Installing Welds on In-Service Facilities	1:1			
Welding - Repair of Welds, Defects, Arc Burn and other than welds containing cracks, on In-Service Facilities)	1:1			
Achieve and Maintain Minimum Cover and Underground Clearance	1:2			

