



VERIFORCE TASK LIST

Breakout Tanks: <i>Inspection and protection of breakout tanks</i>
Casing: Clearing Shorted Casing: <i>Isolation and correction of shorted casings</i>
Casing: Vents and Seals: <i>Installation of casing spacers, vents and seals</i>
Cast Iron: Operations/Maintenance: <i>Tasks associated with operations and maintenance of cast iron pipelines</i>
Cathodic Protection: Determine Requirements: <i>Tasks associated with determining requirements for CP systems</i>
Cathodic Protection: Inspection/Monitoring: <i>Performing CP surveys, test anodes, and testing of electrical isolation</i>
Cathodic Protection: Installation: <i>Installation of insulators, reference cells, anode beds, bonds, and rectifiers. Also includes conducting soil resistivity and other tests to determine cathodic protection current requirements</i>
Cathodic Protection: Installation (AC Mitigation): <i>Tasks associated with mitigating AC induced corrosion</i>
Cathodic Protection: Installation (Submerged): <i>Anode installation on submerged pipeline or facilities</i>
Cathodic Protection: Installation of CP Leads: <i>Installation of and / or repairing CP leads</i>
Cathodic Protection: Rectifier and/or Ground Bed Inspection/Operation/Maintenance: <i>All tasks associated with rectifiers and/or ground beds including inspection, operation, maintenance, installation</i>
Coating : Application and Inspection: <i>Application and / or inspection of coatings to above and below ground piping</i>
Coating : Inspection (Holiday Detection): <i>Inspect Pipe Coating with Holiday (Jeep) Detector</i>
Coating Protection: Above Ground Structures: <i>Protection of coatings from above ground structures</i>
Coating Protection: Backfilling: <i>Protection of coating when backfilling and from below ground supports</i>
Compression Couplings - Mechanical Joining: <i>Mechanical joining using compression couplings</i>
Compressor / Pump Stations: Inspect/Test Remote Control Shutdown Devices (ESD/EBD): <i>Inspection / Testing of compressor station remote control shutdown devices (ESD / EBD)</i>
Corrosion: Inhibitor Injection: <i>Location of site, installation of start-up, operation, and maintaining corrosion chemical injection facility</i>
Corrosion: Measurement: <i>Measurement of, evaluation, and remediation of corrosion of exposed pipeline to support use of B31G, COREVAL and / or RSTRENG</i>
Corrosion: Monitoring/Inspection (External Surfaces): <i>Monitoring / inspection for atmospheric / external corrosion</i>

Corrosion: Monitoring/Inspection (Internal Surfaces): *Monitoring / inspection for internal corrosion (including coupons)*

Damage Prevention: *Prevention of damage due to excavation, backfilling, cover, accidental ignition, washouts, floods, landslides, hurricanes, traffic, etc.*

Damage Prevention (Blasting Activities): *Prevention of damage by reviewing blasting plans, monitoring, and inspection after activity*

Examine Pipe and Components for Damage/Defects: *Examination of buried pipelines when exposed and inspection of pipe following movement*

Fiberglass Pipe Procedures: *Tasks related to the installation and maintenance of fiberglass pipe*

Flaring and Venting: *Tasks associated with Flaring and Venting operations*

Gas Detection and Alarm Systems: Testing/Maintenance: *Testing, maintaining, troubleshooting, and calibration of gas and fire detection alarm systems*

Gas Quality Monitoring: *Operation / maintenance of various analytical devices used to monitor gas quality*

General Pipeline Repair Activities: *Cutting operations, pipeline segment removal / replacement, and other general types of repair activities*

Guided Wave Ultrasonic Testing: *Performing guided wave ultrasonic testing*

Hot Tapping: *Hot tapping steel and plastic pipe*

Hydrate Mitigation: *Detect/inhibit/mitigate pipeline hydrate formation in pipeline facilities.*

Inspect Navigable Waterway Crossing: *Inspection of navigable waterway crossings*

Installation of Pipe Above Ground: *Installation of steel or plastic pipe above ground*

Leak/Strength Testing: *Conducting leak, strength, and pressure tests*

Leakage Survey: *Conducting leak survey with leak detection device*

Leakage Survey (Aerial): *Conducting leak survey with leak detection device from aircraft*

Line Stopping: Operation and Maintenance: *Operation and maintenance of line stopping equipment*

Locate Line and Place/Maintain Line Markers: *Location of pipeline, installation of temporary markers, and placing / maintaining permanent pipeline markers*

Locate Line and Place/Maintain Line Markers (Submerged): *Locating and marking submerged pipelines*

Mapping/Surveying: *Data collection for as-built drawings and other requirements*

Measures to Protect the Public: *Responding to alarms, investigating leaks, damage, and other problems, and initiating location response*

Mechanical Maintenance: *Performing preventative maintenance on engines and other mechanical devices*

Meter Stations: Inspection: <i>Inspection of meter stations</i>
Miscellaneous: Liquid Knock-Out Equipment Operation/Maintenance: <i>Operation / maintenance of liquid knock-out equipment</i>
Miscellaneous: Portable Gas Compressor Operation/Maintenance: <i>Operation / maintenance of portable gas compressor</i>
Miscellaneous: Stress Relief: <i>Performance / direction of stress relief</i>
Monitor Pressure: <i>Monitoring pressure and uprating pipeline</i>
Movement of In-Service Pipeline: <i>Direction / inspection of in-service pipeline movement or lowering</i>
Non-Destructive Testing: <i>Non destructive testing using various methods</i>
Odorization: <i>Operation, inspect, and maintain odorant system and monitor odorant concentration</i>
Overfill Protective Devices: Inspection/Calibration/Repair: <i>Inspect, calibrate, and repair overfill protective devices</i>
Patrolling Pipeline: <i>Patrolling pipeline and monitoring ROW encroachment</i>
Permanent Field Repair: Bolt-on Clamp/Sleeve: <i>Permanent field repair using bolt-on clamp or sleeve</i>
Permanent Field Repair: Composite Materials: <i>Permanent field repair using various composite materials</i>
Permanent Field Repair: Full Encirclement Weld Sleeve: <i>Permanent field repair using full encirclement weld sleeve</i>
Permanent Field Repair: Grinding: <i>Permanent field repair by grinding</i>
Pigging Operations: <i>Launching, monitoring, and receiving pigs</i>
Plastic Pipe: Fusion/Joining: <i>Plastic pipe joining by various methods and inspection of plastic pipe joints</i>
Plastic Pipe: Installation: <i>"Installation of plastic pipe by various methods including direct burial, boring and insertion, plowing, planting, pull-in, and above ground"</i>
Plastic Pipe: Installation (Boring/HDD): <i>Installation of plastic pipe and components by boring and/or directional drilling</i>
Plastic Pipe: Installation (Plowing/Pulling/Planting): <i>Installation of plastic pipe and components by plowing, planting, and/or pull-in</i>
Plastic Pipe: Squeeze-Off: <i>Pipeline shutdown using squeeze-off tool on plastic pipe</i>
Project Monitoring/Inspection: <i>Monitoring/inspecting projects such as fabrication, replacement, repair, etc. to ensure compliance with company procedures and standards</i>
Project Monitoring/Inspection (Welding): <i>Monitoring/inspecting welding projects to ensure compliance with company procedures and standards</i>

Provide Security for Pipeline Facilities: *Providing security for pipeline, pump stations, breakout tanks, and other exposed facility equipment*

Pumps: Operate/Maintain/Repair: *Starting-up, operation, shutting-down, maintaining and repairs of pumps*

Purging/Abandonment/Deactivation: *Isolation, blowdown, purging, and packing, includes purging with gas, air or inert gas and retiring / abandoning pipeline facilities*

Relief Devices: Inspection/Testing: *Inspecting, troubleshooting, repairing, installing, and maintaining relief valves*

Right of Way: Maintenance: *Controlling right of way erosion*

SCADA/Communication Systems: *Identification of the components of a communications system including troubleshooting system outages and ways to re-establish communications between control center and operating personnel*

Service Lines - Operation and Maintenance: *Operation and maintenance of service lines and associated equipment*

Steel Pipe: Installation: *Installation of steel pipe and components including hauling, stringing, lowering, and installation above-ground*

Steel Pipe: Installation (Boring/HDD): *Installation of steel pipe and components by boring and/or directional drilling*

Steel Pipe: Installation (Direct Burial): *Installation of steel pipe and components by direct burial*

Steel Pipe: Installation (Field Bending): *Field bending of steel pipe during installation*

Steel Pipe: Mechanical Joining: *Mechanical joining of steel pipe using compression couplings, flanges, threaded connections, and other non-welded methods*

Steel Pipe: Squeeze-Off: *Squeeze off of steel pipe using hydraulic squeeze tools*

Support Structures: Installation, Replacement, and Repair: *Installation, replacement, and repair of support structures and maintaining adequate clearances between pipe and other structures*

Valves: Installation, Maintenance, and Operation: *Inspection, maintenance, repair and operation of valves, includes manual valves and valves with actuators*

Vaults: *Inspection and maintenance of vaults with pressure regulating and pressure limiting equipment*

Visual Inspection of a Weld: *Visual inspection of a weld*

Welding: *Welding on pipelines and plants (maintenance, tie-ins, and repair)*