



Inspection. Expediting. Project Management. Personnel Services.

- Vendor/Supplier Surveillance
- Plant and Refinery Mechanical Integrity Programs
- Corrosion and Erosion Monitoring Programs
- Pipeline Inspection Services
- Expediting Personnel and Services
- Certified NACE Coating Inspectors
- Project Inspection Program Coordination
- Plant and Refinery Inspection
- Quality Control and Quality Assurance
- Shipping and Container Inspection Services
- Non-Destructive Examinations
- AWS, CWI, API 510, API 570 and API 653 Inspectors
- Source Inspector Certification Training
- Aerial Inspection Division - Unmanned Aerial Systems (UAS)



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Thank you for your interest in **D&C Inspection Services, Inc.** We would appreciate your consideration when the need for project management, inspection, or expediting services arises. D&C has grown steadily since 1991 due to our customer service ideals and the introduction of newer communication technologies.

Our company utilizes a network of highly-qualified and experienced inspectors and expeditors across North America. Most of our inspectors carry multiple certifications, such as AWS CWI, API 510, API 570, API 653, and ASNT TC 1A Level II for RT, UT, PT and MT. Our coatings inspectors are NACE certified.

D&C offers experienced personnel in various areas of fabrication and manufacturing in the petrochemical industry. New personnel are employed regularly to better cover each region, reducing client costs for travel and expenses.

All D&C personnel are carefully screened to ensure an optimum experience for our clients. Inspection and expediting personnel work histories and resumes will be furnished as requested.

All inspection and expediting personnel prepare and submit detailed daily reports. These are sent to the client, which ensures a timely review by responsible parties.

D&C delivers a first-hand look at fabrication statuses and quality by providing digital photographs of inspected items. We also can provide standard VHS and digitized videos.

D&C offers competitive standard rate schedules and associated charges for inspection and expediting personnel. Standard rates apply to the contiguous United States while international or overseas rates will be negotiated as required. Long-term projects can be negotiated on monthly or yearly rates.

Additional information and details on our capabilities and experience can be found within our brochure.

If you have any questions, please feel free to contact me by phone at 281-326-1800, by fax at 281-326-1888, or by email at dan@dcinspection.com.

Daniel L. Harry
President



Summary of Services

- I. Supplier Quality Serveillance (SQS) Inspection Services
- II. Mechanical Integrity Programs
 - Plant and Refinery
 - Corrosion and Erosion
 - Monitoring
- III. Quality Assurance and Quality Control
- IV. Expediting Services
- V. Plant and Refinery Inspection Services
- VI. Pipeline inspection Services
- VII. Surface Preparation, Coating, and Painting Inspection Services
- VIII. Shipping and Container Inspection Services
- IX. Non-Destructive Examination Inspection Services
- X. Unmanned Aerial Sytem (UAS) Inspection Services



Supplier Quality Surveillance (SQS) Inspection Services

D&C Inspection Services, Inc. was responsible for in-process fabrication, testing, and final inspections for more than \$1.3 billion of equipment in the last year.

Types of equipment we examine at vendor/supplier facilities include:

- Air separation plants
- API tanks
- ASME pressure valves
- Barges
- Cold boxes
- Compressors
- Controllers
- Cryogenic systems
- Exchangers
- Expander Packages
- Electrical and controller panels
- Electrical switchgears
- Fire and gas panels
- Firefighting equipment
- Forced and induced draft fans
- Generator modules
- Instruments
- Internal and external coatings and surveys
- Offshore platform jackets, living quarters, flare booms, support structures, and production manifolds
- Oil and gas separators
- Package boilers
- Petrochemical and refinery
- Piping, fittings, tubing, casing
- Pipelines
- Pipeline metering, prover skids and systems
- Production equipment
- Pumps
- Railcar fabrication and repair
- Tanks
- Towers
- Transmitters
- Turbines
- Valves
- Vaporizers
- Vessels
- Water and waste water treatment equipment

D&C Inspection offers professional personnel for the following services:

- Coating and painting inspection
- Damage surveys
- Final and prerelease shipment inspections
- In-process inspection
- Loading/offloading inspection
- Materials verification
- Pre-inspection meetings
- Receiving inspection
- Shipping/crafting inspections
- Vendor and supplier auditing
- Welder testing
- Welding inspection and procedure qualification
- Witness equipment testing
- Witness material testing
- Witness non-destructive testing

Mechanical Integrity Programs Plant and Refinery / Corrosion and Erosion / Monitoring

D&C Inspection offers a complete Mechanical Integrity Program or partial Corrosion/Erosion Monitoring program of existing and new piping and equipment. The following services are available for this failure prevention program:

- Perform risk assessment and prioritization for inspections and maintenance planning for pressure-containing equipment.
- Predict corrosion rates based on archived thickness measurements.
- Perform process hazards analysis as required by OSHA 29CFR, Chapter XVII 1910.119.
- Verify thickness of plant piping, production equipment, pressure valves and tanks using ultrasonic thickness equipment. Map thickness readings for permanent records.
- Calculate maximum allowable working pressures and life expectancies of equipment and piping.
- Arrange replacement of piping and equipment reaching critical minimum thickness requirements without a failure of equipment or unexpected plant shutdown.
- Prevent and minimize the consequences of catastrophic releases of toxic, reactive, flammable, or explosive chemicals and gases.
- Furnish computer-generated reports and calculations for easy comprehension of corrosion rates and status of equipment. (Reports may be integrated into the records required per OSHA 1910.119.)
- Provide computer and ultrasonic gauge software for compatibility of records retention and archives.



Quality Assurance and Quality Control

D&C offers assistance in the preparation, implementation, maintenance and monitoring of quality assurance programs and related documentation requirements. Services include:

- QA/QC program manuals
- Procedures, plans and verification checklist
- Training programs
- Quality program audits
- Vendor/Supplier assistance programs
- Write and approve welding procedures
- Vendor/supplier evaluations and facility surveys

We can fulfill all your staffing requirements for inspection, expediting, quality assurance, quality control and coordination. Whether your needs are long or short term, the advantages of D&C staffing are considerable.

D&C maintains responsibility for all administrative tasks, such as payroll, taxes, insurance and training, relieving the client of this burden. We also can provide:

- Vendor/supplier surveillance
- Inspection coordination
- Expediting
- On-site inspection
- Material control and receiving
- Quality assurance coordination and management



Expediting Services

Whether a separate service or in conjunction with our Inspection Services, D&C offers effective and extensive expediting personnel, including:

- Engineering information verification
- Auditing supplier/vendor manufacturing processes
- Verification of equipment capabilities
- Supplier/vendor procurement status
- Assessment of production schedules
- Monitoring supplier/vendor schedules for submittal of documentation
- Verification of delivery and completion schedules
- Manpower loading and assessment
- Verification of production schedule



Plant and Refinery Inspection Services

We maintain a registry of qualified professional inspection personnel for on-site, plant turn around and shut down inspections. Our personnel can support all phases associated with quality control and quality assurance.

The following services are offered:

- New construction and expansion inspection
- Turn-around inspection
- Computerized inspection program implementation
- Corrosion/erosion monitoring program
- Maintenance inspection
- Computer aided drafting
- Inspection project management

We also provide personnel and equipment to perform:

- Piping fabrication, installation, and testing
- Tanks and structural steel
- Electrical equipment
- Boilers, heaters and other fired equipment
- Waste heat and IR scans
- API 570 piping inspectors
- NACE coating and paint inspectors
- AWS certified welding inspectors
- Pressure vessels and pressurized equipment
- Rotating equipment
- Civil, concrete, and earth work
- Insulation and refractory
- API 510 pressure vessel inspectors
- API 653 tank inspectors
- Electrical and instrumentation inspectors



Pipeline Inspection Services

D&C offers inspection services for ranging from pipeline manufacture to maintenance and preventive inspection of existing pipelines both on and offshore

The following services are offered:

- Pipe mill audits and production inspections
- Pipe coating inspection
- Pipeline route evaluation and selection
- Lift monitoring and installation inspection
- Welding inspection and quality control
- Conventional and directional drilled crossing inspection
- Vendor/supplier procurement and surveillance inspections
- Safety inspections
- Commissioning
- Material control, inspection, and expediting
- Construction and installation inspections
- Witness and review of non-destructive testing
- Utility inspection
- Environmental inspections
- Maintenance inspections
- Corrosion/erosion monitoring programs

Surface Preparation, Coating, and Painting Inspection Services

D&C offers a variety of inspection services for surface preparations, coating, and painting in accordance with SSPC/NACE guides, standards and project specifications. Thickness, adhesion, holiday and other testing methods are available. Types of coatings/linings inspected include:

- Acrylic glass linings
- Acrylics and latices
- Alkyds
- Aluminum arc spray
- Ceramic lining
- Densyl tape
- Epoxies
- Fiberglass reinforced plastics
- Fireproofing
- Flake glass polysters
- Glass lining
- Hard rubber linings
- Inorganic zinc primers
- Kynar
- Mastics
- Modified neoprenes
- Plasite
- Polymers
- Polyurethanes
- Propreitary coatings
- Rubber-based coatings



Shipping and Container Inspection Services

Verification of:

- Weights, volumes, and quantities
- Crate and packaging size and markings
- Technical characteristics, finish, and cleanliness
- Documentation

Inspections of:

- Packaging and crating
- Conformity to contractual specifications

Witnessing or supervising:

- Loading of containers and crates
- Proper device fastening
- Material unloading

Furnishing:

- Traffic and logistic management services
- Warehousing arrangements
- Photos and video

Non-Destructive Examination Inspection Services

All NDE personnel are qualified and certified in accordance with ASNT SNT-TC-1A.

Metals Hardness Testing

- Telebrinellar (indentation measurement method)
- Krautkramer Branson (ultrasonic contact impedance method)
- Equotip (bounce measurement method)
- Vickers
- Rockwell

Magnetic Particle Testing (MT)

- Dry powder magnetic particle
- Wet magnetic particle (fluorescent and non-fluorescent)

Liquid Dye Penetrant Testing (PT)

- Color contrast visible penetrant
- Fluorescent penetrant

Ultrasonic Testing (UT)

- Flaw detection (shear wave)
- Plate lamination testing
- Thickness testing
- Corrosion/erosion monitoring

Positive Materials Identification (PMI)

- Trace elements and full spectrum services





Unmanned Aerial System (UAS)

Our UAS fleet utilizes an optimized high-performance flight system supported by GPS coordinates.

Our aerial systems, which are externally operated by a ground controller or "pilot," carry payloads comprised of the sensor packages best suited for the job at hand. High-resolution cameras mounted on the UAS provide HD video and photography and the UAS flight stabilization is one of the fastest in its class for quality video imaging.

The UAS wirelessly transmit images to a ground station enabling clients to view a live feed of the images during flight.

For more information on our UAS, please see our DCI Aerial brochure.

UAS Inspection Possibilities

- Bridges
- Communication towers
- Compressor stations
- Dams
- Distribution lines
- Farmland
- Flares
- Floodgates
- Forestland
- Gathering systems
- Impoundments
- Industrial chimneys
- Industrial facilities
- Petrochemical
- Pipelines
- Power generation
- Power lines
- Power plants
- Refining
- Remote areas
- Roadways
- Rotor blade components
- Routes and corridors
- Smoke stacks
- Substations
- Transmission lines
- Wells
- Wind farms
- Wind turbines



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*Our goal with every project is to exceed expectations and ensure complete client satisfaction.
We work with our clients to successfully meet their objectives and goals.*