

Holds a B. Sc. in Mining Engineering and has over 13 years of extensive experience in QA/QC and mechanical inspection activities of EPC Projects in Oil & Gas industry. The scope of experience includes site / shop and manufacturing inspection of static equipment, Pressure Vessels, Storage Tanks, Valves (C.S, CRA, RTR Pipes), Heaters, Piping / Pipelines, Heat Exchangers and implement inspection plans; supervise Non-Destructive Testing Procedures and Inspection of Coating activities and RTRP piping / pipelines.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Hadayek Al-Koba, Cairo

EDUCATION

: B. Sc. in Mining Engineering, Cairo University

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: Oracle

TRAINING COURSES AND CERTIFICATIONS

: NACE CIP Level II (Coating Inspector II).
: API 570 Authorized Piping Inspector.
: IRCA Lead Auditor ISO 9001: 2015.
: AWS (CWI) (plan to be examine Jun. 2021).
: Level II in NDT in recommended practice SNT-TC-1A & Specific Exam as per ASME Code for the following:

- Radiographic Testing (RT).
- Magnetic Particle Testing (MT).
- Liquid Penetrant Testing (PT).
- Ultrasonic Testing (UT).

: ASME Course: Attendance Certificate.
: Mastering Primavera P3: Certificate of Achievement.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2014 till Jan. 2021
- Employer** : Kuwait Oil Company (KOC) – Kuwait
- Projects** : Lower Fars Heavy Oil Project (LFHO) (5B USD), Bulk handling facility for chemical Inhibitors (50M USD), New Gathering Center (GC-31) (800M USD), Technical Support Projects Department, South and East Kuwait Crude debottlenecking FEED Study
- Job title** : Inspection Engineer
- Job Description** :
- Achievements:
 - Leading a Team of Welding & Painting Inspectors, to fulfill all project quality requirements in the project.
 - Participate in committee for update and revise Company's specifications based on International codes and site best practices.
 - Provide technical support at FEED Study stage, Technical support Projects Department, handling documents review and Inspection activities.
 - Provide technical support to Project Management in resolving problems concerning inspection methods and procedures of completing work within the scope and intent of applicable codes and standards during EPC stages.
 - Provide technical support to projects during procurement stage by follow-up and participate the documents review and inspection activities for local/ overseas Vendors and evaluate TPIs performance.
 - Attend piping 3D model session during EPC stages and highlight Inspection and corrosion input such as dead leg, pigging requirements, Inspection pockets required for Insulated piping based on predicted corrosion mechanism.
 - Attend PIDs review sessions and highlight piping specs for relevant process in according with Company specifications, material selection report and corrosion study.
 - Implement QA/QC plans adopted for capital project works being carried out in the plant, to ensure that specified maintenance practices and procedures are followed for welding, installation and fabrication as per policy and in compliance with international fabrication codes and standard.
 - Keep current on the latest developments in equipment inspection standards, codes, practices, procedures, methods, inspection equipment and ionizing radiation safety requirements, as applicable.
 - Worked for Inspection and examine all incoming material and certifications according to ASME, NACE 0175, API 15 LR/ HR requirements.
 - Review / evaluate contractors' quality assurance/quality control systems, as necessary. Review and approve Welding Procedure, Procedure Qualification Report, witness Welder Qualification Test and monitor welder.
 - Arrange and conduct a weekly/ biweekly projects quality meeting and highlight/ solve quality issues including NCRs (If any).
 - Participate in the preparation and establishment of quality procedures, including the development of core processes, standardized metrics, trend procedures, lessons learned and best practices.

- Review and approved manufacturer quality plan, procedures, and ITPs in accordance with applicable client specification and International standards such as API 5L (C.S pipes), API 6D (Valves), ISO 14692 and AWWA C950 (RTR pipes), ASME Sec. VIII (Vessels), etc.
- Monitor and witness Inspection activities at Manufacturer facility as per agreed ITPs.
- Conduct a pre-commissioning walk down to record and finalize punch list as per Company requirements and approved drawings.
- Process and ensure hand-over documents have appropriate details on material specifications and processes in line with contractual requirements.
- Conduct RBI assessment workshops.
- Apply Inspection Task Planning according with RBI Program.
- Follow up corrosion rate and identifies possible causes and remedies to bring the corrosion rate under control. Communicate findings and observations with other divisions.
- Participate in failure investigation and Root Cause Analysis as required for assigned area/units.
- Involving in review and follow up with Process Department in evaluating the effectiveness of Corrosion Inhibitor programs by setting and evaluating KPI's and provide feedback/recommendations.

Dates	:	From Jun. 2009 till Jan. 2014
Employer	:	Combined Group Contracting Co. – Kuwait
Projects	:	C.S Crude export, HP and LP Gas pipelines and RTRP Effluent/ Brackish water pipelines (80M USD), steel structure and piping system (40M USD). High build polyurethane coating application and repair for 32” HP Gas line 95 K.M length from BS -150 to GCMB manifold
Job title	:	QA/QC Engineer
Job Description	:	<ul style="list-style-type: none"> • Achievements: Improve the performance of the subcontractor’s Staff Engineers through engaging them in project surveillances and through Quality Inductions for the crews. • Conduct and witness Inspection activities for Towers, Heat Exchangers, Pressure Vessels, Storage Tanks, C.S/ RTR Piping and Pipelines as per design and construction code such as ASME Sec VIII, ASME B31.3, ASME B31.4, ASME B31.8, ISO 14692, AWWA C950, etc... • Coordinate and schedule Inspection Plans and perform required special audits of process equipment. • Witnesses Valves and relief valves pressure testing and setting before, after repair and during any re- calibration campaign. Supervise, guide and monitor contracted Inspectors and NDT team; witness, review and interpret NDT tests and reports on fixed equipment and piping; Including PT, MPI, UT, RT, EDDY Current, TOFD, Phased Array, Intelligent Pigging, Hardness Tests, Hydro Tests, Pneumatic Test and Leak Tests. • Review and approve Welding Procedures, Procedure Qualification Reports, witness Welder Qualification Tests. Monitor Heat treatment of piping and static equipment. • Inspection for coating activities (surface preparation- application- visual and DFT). • Prepare and witness blasters, painters' qualification test. Inspection for shrink sleeve & underground coating (HBP, HBE, 3LHDPE), (surface

preparation - Application – Monitoring Weather condition -Visual-Adhesion- Hardness and Holiday test).

- Apply Inspection Plan and activities in accordance with approved ITPs, required specifications and applicable International standards.
- Review and approve RTRP Bonding Procedure Specifications, witness Bonder Qualification Test and monitor bonder's performance.
- Witness and monitoring RTR pipes manufacturing activities at M/s Sulaiman Al-Qudaibi as per agreed ITP such as material Inspection (resin, glass fiber, pipes and fittings), visual in accordance with API 15LH, dimension and tolerances, hydrostatic test, barcol hardness, stiffness test, short time hydraulic failure pressure of pipe and fittings and degree of cure in accordance with applicable ASTM specification.
- Ensure all RTRP activities included material receiving, site preparation, BPS, BQR, installation, joining methods (Key lock, Adhesive and laminated joints), testing, repair, retesting, backfilling, and commissioning activities has been carried out as per Company's specifications and ISO 14692-4.
- Review and report on selected engineering, construction, and procurement documents to ensure that applicable quality requirements are included.
- Participate in the preparation and establishment of quality procedures, including the development of core processes, standardized metrics, trend procedures, lessons learned and best practices.
- Review and comment on the sufficiency of selected quality control inspection plans.
- Conduct review and approval (as may be required) of quality-related documents and other submittals on the project to ensure alignment and compliance with the requirements of the project and contract.
- Conduct training of project personnel on quality as may be required.
- Recommend and evaluate the effectiveness of corrective actions and process improvement activities to project personnel to correct observed quality deficiencies.
- Identify quality problems, initiate documented action and verify implementation of solutions. Manage the project corrective action system.

Dates	:	From Jan. 2008 till Jun. 2009
Employer	:	Arabi Enertech Co. – Kuwait
Project	:	Upgrading of existing fire protection system, Construction of crude oil storage tanks, Crude export line 24 inch 80 K.M from West Kuwait to Burgan CMM manifold
Job title	:	QA/QC Engineer
Job Description	:	<ul style="list-style-type: none">• Prepare Quality control documentation and test packages.• Visual inspection for welding (fit up-during-after).• Preparation of weld map drawing and inspection report, Interpretation for (RT) & Witness for NDT.• Witnessing and reviewing the inspection activities for Pig L/R Manufacturing.• Witness Bonder Qualification Test and monitor bonder's performance.• Witness the RTR pipes manufacturing activities as per approved ITP such as visual in accordance with API 15LH, dimension and tolerances,

hydrostatic test, barcol hardness, stiffness test, short time hydraulic failure pressure of pipe and fittings and degree of cure in accordance with applicable ASTM specification.

- Witness and monitoring SAW Pipes manufacturing activities as per approved ITP and API 5L spec. (including annex H for sour service) such as welding process including filler wire, flux etc..., beveling, NDE, visual, dimension and tolerances, hydrostatic test, etc...
- Control Calibrated measuring & Test equipment used for the project.
- Witness for hydro-test & caliper/ intelligent pigging process.
- Inspection for painting (surface preparation- application- visual and DFT).
- Prepare and witness blasters, painters' qualification test. Inspection for shrink sleeve & underground coating (HBP, HBE, 3LHDPE), (surface preparation - Application – Monitoring Weather condition -Visual-Adhesion-Hardness and Holiday test).
- Prepare & Review quality control documentation and Test Packages.
- Material Inspection, Witness WQT, PQR. Advice corrective actions for repairs; witness and supervise the repair activities and execution.
- Handling and follow up ISO 9001 documents including Lead auditor observations and NCRs if any along with arrangement for internal audit and make necessary arrangements for external audit program and plan.
- Supervise/Witness Inspection such as Visual, MPI, UT thickness, CP reader.
- Reporting to Projects General Manager.
- Engaging with Project Management to sort all Quality requirements
- Leading a team of Engineers and Inspectors to act as per project Specifications and procedures.
- Review and approve all construction QA/QC activities.
- Organize the inspection of all incoming materials and maintain proper documentation.
- Final Documentation review and approval then Handover to Commissioning Team.

- Field of experience :**
- Participate in Projects FEED study stage by reviewing material selection report, corrosion study, PIDs review sessions, Projects specifications, Equipment datasheets, Valves datasheets, etc.
 - Review of Contractor's/ Clients documentations which is not limited to Vendors/ site Procedures, datasheets, PIDs, GADs, ITPs, BPS, BQR, WPSs and PQRs.
 - Implement Projects quality system by auditing the Contractors and maintain quality records. Issue Non-Conformities NCRs/ site observation (if any) and follow-up till successfully corrective action along with Root Cause Analysis (RCA) completed.
 - Witness/ monitor/ surveillance/ review Inspection during manufacturing process/ site activities as per agreed ITPs.
 - Follow-up procurement items at local/ overseas Vendors during manufacturing process and inspection activities as per agreed ITPs including review/ evaluate Vendors/ TPIs reports and resolving problems / NCRs (if any) till successfully completed relevant PO.
 - Issuing discipline completion certificates and certifying the mechanical completion of a system/subsystem based on successful completion of

- review mechanical dossier including closing all discipline Punch list.
- Review recommendations of suitable painting and coating systems for external, immersed and high temperature applications, etc.
 - Work with CP Team to monitor cathodic protection systems in the plant to ensure proper corrosion protection and function.
 - One of my successful contributions is in the KOC (Kuwait Oil Company) – Lower Fars Heavy Oil (LFHO) which is the biggest Heavy Oil projects in the Middle East through the Quality team of KOC (Client), Worley Parsons (PMC) and Petrofac (Contractor) as an Inspection Engineer with KOC.
 - Quality Control: Welding, NDE, Coating Inspection.
 - Quality Assurance: Internal Audits, Review Projects quality documents and records.
 - Risk Assessment: Evaluate Material selection report and corrosion assessment based on predicted corrosion mechanism.
 - Sound understanding and familiar with of international design, construction, In-service codes and dimensional standards: (ASME, API, AWS, ISO, etc...).