

Holds B. Sc. in Mechanical Production Engineering, Master Degree in Welding Engineering and a Diploma in Quality Control. Has over 21 years' experience in QA/QC and piping/welding.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/09/1979
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

- : B. Sc. in Mechanical Production Engineering, Ain Shams University, 2002
- : Master Degree in Welding Engineering from Tabbin Institute for Metallurgical Studies (TIMS), 2013
- : PHD Postgraduate in Mechanical Engineering, Al-Azhar University
- : Diploma in Quality Control from American University in Cairo (AUC)

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Certified NDT, ASNT level II in the following methods:
 - Radiographic Test.
 - Dye penetration Test.
 - Magnetic particles Test.
 - Ultrasonic Test.
 - Visual Test.
 - Automatic Ultrasonic test (TOFD & PHASED ARRAY).
- : Certified Level II in the inspection of Welded Piping according to (API 1104) in accordance with the recommendation (SNT-TC-AI).
- : Certified Welding Inspector (CWI).
- : International Welding Engineer (IWE).
- : Authorized Piping Inspector course (API 570).

- : Organizations and arranged in ASME review of PSP, DSD & MEGA companies.
- : Safety training courses (valid up to 2012).
- : Certificate in corrosion & protective coatings.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2012 till now
- Employer** : Egyptian Petroleum Research Institute (corrosion laboratory)
- Project** : QARUN tube and casing and technical support
- Job title** : QA/QC Coordinator
- Job Description** :
- Review of documents / tube Test Certificate pertaining to raw materials, verification of bill of materials, components.
 - Visual inspection on tube after cleaning for evaluation the corrosion rate, re collection design for redaction thickness.
 - Inspect the downhole pump after removing from well, performance test to ensure suitability for the work.
 - Follow up and review the failure analyses for tube and def downhole for repair review and approval of Welding procedure specification (WPS) and witnessing procedure qualification record (PQR) & welder's performance qualification record (WPQ).
 - Verify approved WPS, welders, welding operators and tackers intended for the project have properly been qualified and are displayed at jobsite.
 - Perform field inspections of fitting and welding in accordance with project.
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- Employer** : EcoMan Company of Consulting and Training
- Job titles** : Lecturer (Consultant Contract freelance), Inspector supported the company
- Job Description** : Conducting the following course: Professional Welding Methods of Pipeline Repaired & Hot Tapping Procedure.
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- Dates** : From May 2015 till Feb. 2018
- Employer** : NEGEM CO. in JORDAN
- Project** : Arab Potash Co.
- Job title** : QA/QC Manager
- Job Description** :
- Implementation of Client's (Borouge) approved quality plan.
 - Prepare and participate in required audits during Pre-TA & TA Execution and Post TA Phase with Client (Borouge). Take a lead role in quality system implementation and follow-up for TA.
 - Contractor side as per Client (Borouge) TA QA/QC procedures. Responsible for all the quality forms/certifications through-out the TA job execution. Follow up of quality plan for effective implementation.
 - Decision maker in which jobs in the scope should have a technical quality check after execution. Develop standard or specific technical quality checklists for all jobs to be.
 - Executed in the turnaround. Participate in the TA General and specific Task Risk Assessment(s).
 - Participate in both reviews made in this time phase.
 - Review of documents / vessel Test Certificate pertaining to raw

materials, verification of bill of materials, components.

- Visual / Dimensional inspection on steel structure (skid), pressure vessel, Heat exchanger, falter drum & piping etc.
- Review and approval of Welding procedure specification (WPS) and witnessing procedure qualification record (PQR) & welder's performance qualification record (WPQ).
- Verify approved WPS, welders, welding operators and tickers intended for the project have properly been qualified and are displayed at jobsite.
- Perform field inspections of fitting and welding in accordance with project specifications and scope of work as noted within ITP.
- Carry out patrol inspection to monitor work in progression to ensure compliance with project/specification requirements.
- Visual welding inspection, welders' control during welding, welding process control like filler materials, backing gas, pre-heat, inter pass temperature, etc. Witnessing PWHT and clearing the finished welding for further processes.
- Interpretation of radiographs and review of NDT reports and PWHT reports/charts.
- Preparation of Inspection & Test Plan, hydro and pneumatic test procedures and dimensional control procedures etc.
- Witnessing of hydro and pneumatic tests for conformance.
- Review of Vendors QA/QC Documents. Review of test packs and as built drawings.
- Monitoring Contractor Operations to assure contract compliance.
- Work with minimum supervision following all company safety procedures.

Dates : From Jan. 2013 till May 2015
Employer : METKA SA Co.
Project : MEGA DEAL POWER PLANT SHAT AL BASRA 10 x GT9E NATURAL GAS/LDO FIRED OPEN CYCLE POWER PLANT 1250MW
Job title : QA/QC Electro & Mechanical Manager
Job Description : Witness for all fabrication piping and steel structure in workshop Athens – Greece and review of documents.

Dates : From Feb. 2012 till Jan. 2013
Employer : Melrose El-Mansoura Petroleum Co.
Project : WEST DIKIRNIS REFRIGERATION - PHASES 1, 2 & 3
Job title : QA/QC Manager
Job Description :

- Review of documents / vessel Test Certificate pertaining to raw materials, verification of bill of materials, components.
- Visual / Dimensional inspection on steel structure (skid), pressure vessel, Heat exchanger, falter drum & piping etc.
- Review and approval of Welding procedure specification (WPS) and witnessing procedure qualification record (PQR) & welder's performance qualification record (WPQ).
- Verify approved WPS, welders, welding operators and tackers intended for the project have properly been qualified and are displayed at jobsite.
- Perform field inspections of fitting and welding in accordance with project specifications and scope of work as noted within ITP.

- Carry out patrol inspection to monitor work in progression to ensure compliance with project/specification requirements.
- Visual welding inspection, welders' control during welding, welding process control like filler materials, backing gas, pre-heat, inter pass temperature etc. Witnessing PWHT and clearing the finished welding for further processes.
- Interpretation of radiographs and review of NDT reports and PWHT reports/charts.
- Preparation of Inspection & Test Plan, hydro and pneumatic test procedures and dimensional control procedures etc.
- Witnessing of hydro and pneumatic tests for conformance.
- Review of Vendors QA/QC Documents. Review of test packs and as built drawings.
- Monitoring Contractor Operations to assure contract compliance.
- Work with minimum supervision following all company safety procedures, standards and regulation.

Dates : From Dec. 2010 till Feb. 2012
Employer : Veri Tech
Project : Abu Zaabal Fertilizer & Chemical Co.
Job title : QHSE Manager
Job Description : Re-habitation of unit # 6 including:

- Construction of Storage Tanks according API 650.
- Construction of Boiler.
- Heat exchanger.
- Cold Heat Exchanger.
- Ducts.

Dates : From Dec. 2009 till Nov. 2010
Employer : NEM
Project : Sidi Krir Combined Cycle Power Station (750MW)
Job title : QC Manager
Job Description :

- Check approved drawings.
- Material inspection and review material certificates.
- Check WPS's, PQR's.
- Check calibration certificates of welding machines and electrode ovens.
- Check welding consumables and their certificates.
- Check welding variables according to WPS used.
- Visual inspection on all type of welds.
- Check welding consumables and their certificates.
- Dimensional check for Boilers.
- Check the RT Map as per the applied standards.
- Identify and inspect the repair of defective welds.
- Perform Final Inspection.
- Witness the final hydro-static test.
- Check all the Final Test packages.
- Prepare and approve inspection reports and final documentation dossier.
- Make the handover of documentation to the client.

Dates : From Aug. 2007 till Oct. 2009
Employer : DSD Ferrometalco
Projects :

- EBIC – Ammonia Tanks Ein El-Sokhna
- EL-TEBBIN 2x350MW THERMAL POWER PLANT
- EAgrium

Job title : Senior QC Engineer
Job Description :

- Check approved drawings.
- Material inspection and review material certificates.
- Check WPS's, PQR's.
- Check calibration certificates of welding machines and electrode ovens.
- Check welding consumables and their certificates.
- Check welding variables according to WPS used.
- Visual inspection on all type of welds.
- Check welding consumables and their certificates.
- Dimensional check for Boilers.
- Check the RT map as per the applied standards.
- Identify and inspect the repair of defective welds.
- Perform final inspection.
- Witness the final hydro test.
- Check all the test packages.
- Prepare and approve inspection reports and final documentation dossier.
- Make the handover of documentation to the client.

Dates : From May 2003 till Aug. 2007
Employer : Egyptian Maintenance Co. (EMC)
Job title : QA/QC Welding & Painting Inspector
Job Description : Supervision of the following projects & companies:

- From Jan. 2007 till Aug. 2007: GEMSA PETROLEUM Co. (Position: Projects Engineer):
 - Review drawing & document for projects.
 - Inspection of material.
 - Supervision for piping fabrication & installation.
- From Aug. 2006 till Jan. 2007: Canspect Corporation International (Position: QC Welding Inspector):
 - Inspection of materials.
 - Review documentations before the inspection.
 - Review the installation and fabrication on most of the locations on Republic of Yemen.
- From Apr. 2006 till Aug. 2006: GUPCO, Upgrading the gas pressurization system at Ras Shukeir - Egypt (Maintenance of platforms control room): Worked as Welding Inspector & Quality Assurance.
- From Oct. 2005 till Apr. 2006: Joint Operation Wafra in Kuwait (CLIENT), PMP water disposal facility (Position: QC Engineer): Inspection & check for pipe installation of coated sleeves.
- From Feb. 2005 till Oct. 2005: Belayed Petroleum Company, Maintenance of oil tanks (Position: QC Engineer):
 - Supervision of maintenance works of oil tanks (5000 m3).
 - Replace of shell courses, replace of bottom plates & replace of the roof.
- From May 2003 till Jan. 2005: Khalda Petroleum Company (Position: QA

& QC Engineer):

- Testing of welders for piping and pipe lines.
- Supervision of the mechanical activities.
- Supervision of the welding activities.
- Supervision of the N.D.T works.
- Interpretation & R.T films.
- Witness for pipeline 40km from face 1 to face 2 special material from duplex.

Dates : From Jan. 2003 till May 2003
Employer : Pioneer for Service & Engineering Company
Job Description : N.D.T Engineer of the following projects & companies:

- Kolaly Workshop Engineering Company:
 - Performing and supervision of N.D.T.
 - Activities (R.T, P.T, M.T).
- Alex Construction:
 - R.T for 16" pipeline under ground.
 - Oil storage tank (5000 m3).
 - R.T for shell tee joint.
- Commerce (Project: Over head crane):
 - Visual inspection and (R.T).
- Arco Steel (Project: Gasco pipes El-Sadat City):
 - Visual inspection and (R.T) for pipe line 8 in (Rout length 13km).
- Valve Italy Co. (Project: Sadat Gas Station):
 - R.T and dye penetration.

Dates : From Oct. 2002 till Jan. 2003
Employer : Tubo Scope Veteco International
Project : Well Pipe for Khalda Petroleum Company
Job Description :

- Performing NDT (EMI, MPI, UT, Thread Gauge) methods on Petroleum pipes (casing, tubing, drill pipes, BHA).
- Visual inspection.
- Interpretation.
- MPT.
- Dye penetration.
- Check thread for pipelines.

Field of experience :

- Inspection of tanks during M & I:
 - Inspection planning for maintenance & inspection as per relevant Codes and standards.
 - Periodic inspection & conditioning monitoring of tank under operation for seal condition & roof condition...etc.
 - Inspection of tanks under maintenance and recommendation for corrective measures as per API 653.
 - Approval of WPS, PQR, WPQ and testing as per relevant codes and practices for repair / replacement jobs.
 - Inspection for corrosion / and analysis and recommendation for corrective actions.
 - Recommendation for suitable coating system to prevent corrosion.
- Piping inspection:

- Inspection of piping of process units and offsite facilities.
- Scheduling of piping inspection as per the norms and standards.
- Preparation of sketches of isometric drawing as per the site.
- Visual inspection for external corrosion, ultrasonic thickness.
- Measurements for corrosion.
- Recommendations for corrective measures, replacement, modifications to prevent failures.
- Welding Inspection:
 - To review drawing and specification with a view to check material.
 - Requirement related to corrosion.
 - Quality control of various similar / different metal welding, like carbon.
 - Steel, chromium, nickel and high alloy steels during fabrication as per relevant codes.
 - Recommendation of suitable repair procedures.
 - Supervising welding procedures and performance qualification as per ASME code.
 - Tight quality control of all jobs to ensure compliance with relevant codes of practice and standards like ASME, API, ASTM and other Indian standards.
 - Interpretation of NDT results on accepting criteria as per relevant global codes like ASME, API, ASTM...etc.
 - To specify requirements of welding, Heat treatment and related activities.
- Inspection of Tanks during M&I – NDT inspection:
 - Selection of proper NDT technique for inspection.
 - Review / Approval of NDT procedures like MPI, PT, UT and RT.
 - Interpretation / Review of radiographic films.
- Painting & Coating:
 - Review the specifications & scope of work for Insulation, Coating & Fireproofing.
 - To ensure the integrity of the paint coating systems by reviewing procedures.
 - Application and conducting audits & evaluation of the coating systems.
 - Review & technical evaluation of Material Approval Request prior to material purchase.
 - Checking the physical and chemical test of the paint film, surface preparation, blasting profile, etc.
 - Verify certification status of all coating personnel.
 - Review of documents like job procedures, QCP, painting specifications and procedures etc, for compliance of the concerned codes and standards, additional requirements as per specification sequence of activities, coating scheme and job hazard analysis.
 - Conducted destructive and non-destructive testing.
 - Review the calibration status of all test instruments required.
 - Inspection of the material received at site is in line with project specification.
 - Initial inspection of field joint coating to ensure that all the activities meet the specification, code & standard requirements.
 - Set up laboratory for the physical & chemical tests in the quality procedures for pipe coating plant.
 - Supervising and coordinating activities of the workers engaged in

applying insulating material to the exposed surfaces of the equipment surveillance such as boilers, vessels, exchangers, ducts or pipes.

- Monitoring and witnessing field joint coating for both aboveground and underground Pipeline.
- Assisting in making as built drawings with right measurements for final submission, attending all the punch list items to get final Mechanical Completion and Project close out.