100285-MMP-4GIQVWZ-E-2002
Tank Inspector

Holds a B. Sc. in Metallurgical Engineering and has 17 years of experience as Mechanical Quality & Construction Engineer, Lead & Manager for major Onshore and construction projects including oil and gas, petrochemical, Refining, Process and Power Plant.

PERSONAL DATA

Nationality	:	Egyptian
Birth Year	:	1977
Gender	:	Male

EDUCATION

: B. Sc. in Metallurgical Engineering, Al-Azhar University, 2002

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: RE-Certified Senior Welding Inspector CSWIP (3.2.2) Cert. No (61068).
: RE-Certified Piping Inspector API (570) Cert. No (42016).
: Certified Lifting Inspector, U.K, LEEA Part 1 - Group 1 - Certificate holder.
: Certified NDT Courses level II (M.T - P.T - R.T - UT - EMI - VT) acc. to ASNT-TC-1A.
: Certified Radiography License Cert. No (1169) (Egyptian Atomic Energy Authority).
: Oil and Gas Industry Familiarization OG008 (Arab Academy for Science & Technology).
: Operations and Quantitative Analysis & Managerial Finance training.
: Project Management Professional training course (American University in Cairo).
: Quality Assurance program IRCA (American University in Cairo).
: Business Administration course (American University in Cairo).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2018 till now
Employer : Cairo Oil Refining Company
Project : Tanta Oil Refining Plant
Job Description :

- Tank Inspector:
  - Perform Inspection for New Tanks Constructed according to API 650 for atmospheric pressure.
  - Inspection for Storage Tank – Site Erection according to approved ITP & Tank Roof type.
  - Inspection stages differs based on Tanks Roof, Service type, Size & Location.
  - Witness & Review records of welders' qualifications, approved weld procedures and site storage and handling of welding consumables.
  - Cross-checks all incoming plate, fabrications and material against certification.
  - Ensure all material is clearly identified and during construction monitors transfer of markings, which is made to ensure all material of the completed tank is identifiable by such markings.
  - All material need to be inspected prior to incorporation in the tank to ensure correct dimensions and freedom from unacceptable flaws, especially in edge preparations.
  - Review and monitored all NDE required for all welded joints.
  - Perform Field Inspection and witness NDE applied for weld joints of Annular Plates, Annular to Bottom Plates, Bottom to Bottom Plates, Annular to shell, shell to shell, Shell to Roof & Nozzles.
  - Perform Field Inspection and witness NDE applied like Vacuum Box Test, Radiographic test etc.
  - Perform and Witness Dimensional check (Peaking, Banding, Roundness & Plumpness).
  - Check Welds Hardness Test & Fittings penetrating tank shell like nozzles and apply air test.
  - Check removal of temporary shell attachments and witness NDE Applied for confirmation.
  - Perform Field Inspection and witness NDE applied for Roof Welds, Roof to shell plates, Top angles & Compression Ring & apply inspection and testing for heating coil.
  - Check internal cleanliness, flange face, Bolt nuts tightening, check test Package, perform pretest punch work, check cleaning of punch items & Check / witness of hydro test, hydro pneumatic test.
  - Perform Tank Calibration & PRV, VRV& ERV Calibration and install them wherever applicable.
  - Final Boxing up & walk around of tank for punching, verification of punch list clear.
  - Final Manhole closure (Flange Face, Gasket, bolt & Nuts check) & Final bolt tightening.
- In-Service Tank Inspector:
  Perform Inspection for Storage Tanks during Plant shutdown as per API 653 are as follows:

- Internal Inspection - Shell Plate:
  - ❖ Shell plate inspection for corrosion and deformation.
  - ❖ Shell plate circumferential and longitudinal welding joints inspection for corrosion and cracking.
  - ❖ Internal coating inspection (if any).
- Internal Inspection - Bottom Plate as follows:
  - ❖ Thickness measurement and remaining life calculation on bottom plates and annular plates.
  - ❖ Bottom plates and annular plates inspection for corrosion and deformation.
  - ❖ Bottom plates and annular plates welding joints inspection for corrosion and cracking specifically the annular plate joints with first shell course plate, Sump inspection & Internal coating inspection.
  - ❖ Inspection of sample plate, which must be cut to find any external corrosion.
  - ❖ Vacuum testing inspection and supervision.
- Internal Inspection - for Fixed Roof as follows:
  - ❖ Roof plate & Roof structure inspection for corrosion and deformation.
  - ❖ Roof plates and structure members welding joints inspection for corrosion and cracking.
- Internal Inspection - for Floating Roof.
- Internal Inspection - for Internal Equipment.
- External Inspection - for Shell and Roof.
  - ❖ Thickness measurement and remaining life calculation.
  - ❖ Shell and roof plates inspection for corrosion and deformation.
  - ❖ Nozzles, man ways, flange welding joints inspection for corrosion and cracking.
  - ❖ External part of annular plates inspection, specifically welding joint with shell plates.
  - ❖ Side vents inspection & Gasket seating surface inspection of nozzles and man ways flange joints.
  - ❖ Top angle, wind girder and stair way inspection for corrosion and deformation.
  - ❖ Roof sump inspection (floating roof only) & Pontoon and pontoon structure welding joints inspection.
  - ❖ Pontoon air leak testing (internal floating roof only) & Weather shield rubber and pontoon doors.
- External Inspection - for Foundation:
  - ❖ Concrete foundation inspection for corrosion and cracking & Earthling system inspection.
  - ❖ Asphalt inspection (around shell) & Cathodic protection system inspection.

- In-Service Piping Inspector:
  - Perform Inspection for In-service Piping Plant network according to API STD 570, along with some of recommended Practice like API RP 574, API RP 577, API RP 571, API 578, ASME B31.3, ASME Code Section IX and ASME PCC-2 & approved piping inspection procedure.
  - Creating a piping inventory list indicating the line number, pipe

specification class, rating, schedule, pipe origin location (from) and pipe destination location (to).

- Creating piping isometric sketches to facilitate inspection and the recording of corrosion monitoring locations (CMLs).
- Dividing whole unit piping into piping circuits based on process condition and potential degradation mechanism.
- Selecting appropriate NDE techniques for each piping circuit based on the circuit damage mechanism.
- Determination of CMLs points in piping isometric sketches based on the potential for general or localized corrosion and service specific damage mechanisms.
- Determination of piping service class based consequence of failure and instruction stated in API 570 or based on the Risk Based Inspection method.
- Carry out external inspection for corrosion, leaks, previous temporary repairs, clamps, coating breakdown, insulation damage, vibration, misalignment, pipe support deterioration specifically in touch points and to air to soil interface, pipe hanger distortion or breakage and frizz damage.
- External thickness measurement on CMLs on each piping circuit.
- Corrosion rate calculation based on metal loss in a specific time interval.
- Retirement thickness calculation based on the minimum required thickness and minimum required structural thickness.
- Remaining life calculation based on the available thickness for corrosion and the corrosion rate value & Determination of piping circuit inspection interval based remaining life calculation and piping service class & Making supplementary inspection with the proper NDE method for piping circuits susceptible to creep cracking.
- Making supplementary inspection with the proper NDE method for piping circuits susceptible to the creep cracking.
- Making supplementary inspection with the proper NDE method for piping circuits susceptible to environmental cracking from Chloride SCC, Polythionic acid SCC, Caustic SCC, Amine SCC, Carbonate SCC, Hydrogen blistering and hydrogen induced cracking (HIC), etc.
- Application of other NDE methods if it is necessary:
  - ❖ PEC (pulsed eddy current), LRUT (long range UT), LREM (long range electromagnetics), RT for wall thickness loss, and CUI and neutron backscatter and infra-red thermography for detection of wet insulation.
  - ❖ MT (magnetic particle), WFMT (wet fluorescent magnetic particle), PT (penetrant testing), EC (eddy current), UT shear wave, AUT (automated UT), TOFD (time of flight diffraction), RT, ACFM (alternating current field measurement), AET (acoustic emission) for investigating cracking.
  - ❖ Thermography for detection of fouling and hot spots.
  - ❖ Internal inspection in opened flanges for deposition, corrosion, localized corrosion, erosion, etc.
  - ❖ Internal inspection of clad or lined piping for disbanding,

bulging and cracking.

- ❖ Internal inspection of refractory lined piping for erosion, deterioration of anchors, undercutting of refractory and coke build up behind refractory.
- ❖ Flange joint inspection for distortion and leakage and flange face inspection, ring groove and gasket for corrosion, erosion, cracking and mechanical damage.
- ❖ Internal inspection of dismantled valve for corrosion, erosion, mechanical damage and cracking.
- ❖ Specific attention and internal inspection of critical check valves.
- ❖ Inspection of injection points & dead legs for localized corrosion.
- ❖ Corrosion under insulation inspection of piping in susceptible temperature (-12˚ to 175 ˚C) either by advance NDT or by removal of insulation and making visual inspection.
- ❖ Making appropriate reporting and report keeping and implement proper system for quick access to the records.

Dates : From Jun. 2017 till Aug. 2018

Employer : Babcock & Wilcox SPIG Italy (through FRAG Italy)

Project : 6th October Power Station Combined Cycle

Job title : QC Site Manager

Job Description :

- Determine needed resources (manpower, equipment and materials) from start to finish with attention to budgetary limitations.
- Negotiate contracts with external vendors to reach profitable agreements.
- Obtain permits and licenses from appropriate authorities.
- Conduct pre-construction meetings with new and existing subcontractors and the superintendent at least two days prior to the start of each new phase of the work to discuss issues that affect quality. Document these meetings in the daily QC report and Preparatory Phase reports.
- Schedule, document the results of, and maintain a log of all code and independent inspections that are required. Clearly document, correct and re-inspect all non-conformances prior to covering up work and follow-up inspections to verify that work is proceeding with the contract.
- Coordinate and document the testing and commissioning of building systems and Document and distribute pre-punch lists and the completion of these lists.
- Assemble and forward project closeout documents that include manuals, as-built and warranties.
- Supervising and carrying out all inspection stages required as per project requirements, ITPs, procedures, vendor's manual and international codes.
- Review and confirm conformance of sub-Contractors mechanical procedures.
- Ensure sub-Contractors fully implement project requirements as defined in approved specifications and procedures, particularly on equipment, materials preservation.
- Installation inspection of boiler, economizer, duct's and stack for 3 BOILER packages.

- Identify and recommends resolutions of non-conformances and corrective actions to sub-Contractors site construction team and monitors to satisfactory close-out.
- Managing the development and implementation of the QMS for planning, fabrication, inspection, documentation, and operations activities including: Planning duties within the QA/QC staff and related work schedules. Providing leadership, mentorship, and direction of all QA/QC personnel.
- To continuously review quality control processes, procedures and capabilities in order to sustain the most cost effective and efficient methods for meeting quality requirements, and making recommendation for improvement as appropriate.
- To monitor and report quality control progress, notifying any predicted shortfall or discrepancies against timescale and budgets. Providing accurate and relevant information as required by the business. Provide comprehensive communication to underpin effective working relationships.
- Acquire equipment and material and monitor stocks to timely handle inadequacies.
- Hire contractors and other staff and allocate responsibilities.
- Supervise the work of laborers, mechanics etc. and give them guidance when needed.
- Evaluate progress and prepare detailed reports & Ensure adherence to all health and safety standards and report issues & Schedule follow up reviews and tracking of QA/QC action items.
- Ensure contractor delivery to international and contract standards by managing scheduled tiered multi-level field, facility and procedure & data QAQC audits.
- Perform trouble shooting, root cause analysis and incident investigation reports.
- Perform on-site field observation of installed work (e.g. concrete, structural steel, process and mechanical piping, electrical, etc.) & Recommend and implement corrective action based on policies, guidelines, and procedures
- Record observations from job site inspections and complete inspection reports.
- Provide leadership in the development of robust QA/QC processes and standards to enable client's successful project completion.
- Provide training of personnel to ensure awareness of quality procedures and specific responsibilities in the QA/QC process, including the interface and response to audits such as those conducted by the client or third parties (stakeholders supporting the project).

Dates : From Apr. 2017 till Jun. 2017

Employer : ENI S.p.A – Petrobel - Egypt (through RINA Italy)

Project : Zohr Onshore Development Project - Phase 1 & 2

Job title : QA/QC Mechanical Inspector (Tanks, Welding & Piping)

Job Description :

- Perform Inspection for New Tanks (23 Tanks) Constructed as per API 650 and Project Specifications Different Sizes, materials and Services.

- Preparation and witness implementation for all procedure and Specifications related to work activities and monitoring the Safety rules during execution process.
- Inspection activities included but not limited to material inspection, following tank foundation and cathode protection release, following prefabrication activities and witness welder and welding procedure qualification test.
- Witness all and high light all quality matters during erection stage.
- Witness for all NDT methods applied during erection Stage for Bottom, annular ring, Shell courses and Roof structure.
- Witness PWHT and lab testing if required for tanks before hydro-pneumatic and hydro test.
- Witness all inspection and work activities for piping related work for tanks.
- Witness all activities and erection of Tanks appurtenances shell and roof structures.
- Liaise with Site Subcontractors, Client, and TPI for site conditions activities.
- Reported to Site QA/QC Manager and attending all QA/QC meetings.
- Provide specialized technical service in the quality Engineering field, acting as a consultant on complex quality problems such as designs and/or projects execution.
- Plus, Duties as mentioned below as Tank, Welding & Piping Inspector.

Dates : From Jul. 2016 till Mar. 2017

Employer : Techint Engineering & Construction (Italy)

Project : West Damietta Power Station Combined Cycle

Job title : QC Site Manager

Job Description :

- Responsible for the implementation and management of the Contractor's Quality Control.
- Program, including the coordination, performance and execution of construction inspection and testing services for the project.
- Responsible for assuring that the quality of the work meets the project's contractual requirements, and contract specifications to maintains the standard of excellence established by the Joint Venture and Ensure all materials meet the contract specifications.
- Coordinate and schedule field testing and performance inspections and Monitor daily construction activities and materials delivered to site.
- Review all special inspection and material testing perform by third parties and Document all inspection and testing in QC reports.
- Conduct pre-construction meetings with new and existing subcontractors and the superintendent at least two days prior to the start of each new phase of the work to discuss issues that affect quality.
- Schedule, document the results of, and maintain a log of all code and independent inspections that are required. Clearly document, correct and re-inspect all non-conformances prior to covering up.
- Coordinate and document the testing and commissioning of building systems and Document and distribute pre-punch lists and the completion of these lists.
- Assemble and forward project closeout documents that include manuals,

as-built and warranties.
- Supervising and carrying out all inspection stages required as per project requirements, ITPs, procedures, vendor's manual and international codes.
- Review and confirm conformance of sub-Contractors mechanical procedures.
- Provide specialized technical service in the quality Engineering field, acting as a consultant on complex quality problems such as designs and/or projects execution.

Dates : From Sep. 2015 till Jun. 2016
Employer : GS E&C
Project : ERC Refinery Project (Mostorod)
Job title : Sr. Tank & Piping Inspector
Job Description :

- Perform inspection for New Tanks (31 cylindrical + 2 spherical Tanks) Constructed as per API 650 and Project Specifications Different Sizes, materials and Services.
- Preparation and witness implementation for all procedure and Specifications related to work activities and monitoring the Safety rules during execution process.
- Inspection activities included but not limited to material inspection, following tank foundation and cathodic protection release, following prefabrication activities and witness welder.
- Witness all and high light all quality matters during erection stage.
- Witness for all NDT methods applied during erection Stage for Bottom, annular ring.
- Witness PWHT and lab testing if required for tanks before hydro-pneumatic and hydro test.
- Witness all inspection and work activities for piping related work for tanks.
- Witness all activities and erection of Tanks appurtenances shell and roof structures.
- Liaise with Site Subcontractors, Client, and TPI for site conditions activities.
- Reported to Site QA/QC Manager and attending all QA/QC meetings.
- Provide specialized technical service in the quality Engineering field, acting as a consultant on complex quality problems such as designs and/or projects execution.
- Plus, Same duties as mentioned below as Tank and Piping Inspector.

Dates : From Feb. 2015 till Aug. 2015
Employer : Gulf of Suez Petroleum Co. (GUPCO)
Project : Various locations
Job title : Tank & Piping Inspector
Job Description :

- Perform Inspection for New Tanks Constructed as per API 650 and Project Specifications Different Sizes, materials and Services.
- Witness NDE activities applied for tanks (Vacuum Box test, Oil penetrant test, PT, MT…etc.).
- Witness All Dimensional check (Plumpness, Peaking, and Banding,

Roundness, shell and roof Nozzles…etc. and Prepare NDE Procedure as per project spec and codes requirements.
- Witness material procurement and Perform inspection as required.
- Perform field fabrication inspection of Bottom, Shell, Roof, Nozzles.
- Test and inspect products at various stages of the production process. Provide full engineering inspection support in terms of initiating and conducting specialized studies for improving facilities of operation and Witness Tanks and piping related Hydro/pneumatic test.
- Provide specialized technical service in the quality Engineering field, acting as a consultant on complex quality problems such as designs and/or projects execution.
- Review Client Technical Specification (Drawings, Procedures, Specifications, Standard/Code) with preparation and provide of QAP, ITP, PQR and WPS that will be used to execute the Project. Interpretation and assessment of the radiographic film.
- Plan and conduct QA audits at Contractor, subcontractor and supplier activities.
- Non-Conformity management including corrective and preventative actions follows up.
- Witness of all hydro-testing and PWHT activities for under and above ground piping work and Verify installation in accordance with relevant Specifications, Flow diagrams, Construction drawings and P&ID'& Reviewers of proposed welding procedures, WPQR and WPS.
- Plus, Same duties as mentioned Below as Tank and Piping inspector.
- All material need to be inspected prior to incorporation in the tank to ensure correct dimensions and freedom from unacceptable flaws, especially in edge preparations.
- Review and monitored all NDE required for all welded joints.
- Perform Field Inspection and witness NDE applied for weld joints of Annular Plates, Annular to Bottom Plates, Bottom to Bottom Plates, Annular to shell, shell to shell, Shell to Roof & Nozzles.

Dates : From Apr. 2013 till Jan. 2015
Employer : Ras Gas / Exxon Mobil, Qatar
Project : Barzan Train 1 & 2 Onshore Project
Job title : Tank & Piping Inspector
Job Description :
- Coordinate & perform daily inspection verifications as per ITPs.
- Develop & issue and follow up on deficiency reports(DRs), Corrective action requests & Non-conformance reports (NCRs) & Participate in CTR & Sub CTR Quality Audits.
- Conduct final QA/QC audit/surveillance monitoring of each fabricated piping spools & Tank Plates.
- Quality issues resolution with contractor & subcontractor for expediting the site activities.
- Promote safety awareness & safe performance among PMT team, including contractor personal. Ensure deficiencies are identified and resolved according to Ras Gas Specification and Codes.
- Ensure Quality activities are performed as per ITP, procedures & specifications.
- Liaison & interface with mechanical completion to assist in quality

system handover.

- Provide technical advice to PMT Engineering, Procurement & construction on quality issues.
- Interface without side entities such as sub con. & vendors, assessing products & systems.
- Provide quality feedback of vendor product /service deficiencies found at site.
- Assist in failures/root-cause evaluations & proposed resolutions to nonconformities.
- Witness of all hydro-testing and PWHT activities for under and above ground piping work and Verify installation in accordance with relevant Specifications, Flow diagrams, Construction drawings and P&ID'& Reviewers of proposed welding procedures, WPQR and WPS.
- Plus, same duties as mentioned below as Tank & Piping Inspector.

Dates : From Sep. 2012 till Apr. 2013

Employer : Khalda Petroleum Company (through DNV. GL)

Project : 1000 BBL Crude Oil Tanks (30 Tanks)

Job title : Tank Inspector

Job Description :

- Perform Inspection for New Tanks Constructed according to API 650 for atmospheric pressure.
- Inspection for Storage Tank – Site Erection according to approved ITP & Tank Roof type.
- Inspection stages differs based on Tanks Roof, Service type, Size & Location.
- Witness & Review records of welders' qualifications, approved weld procedures and site storage and handling of welding consumables.
- Cross-checks all incoming plate, fabrications and material against certification.
- Ensure all material is clearly identified and during construction monitors transfer of markings, which is made to ensure all material of the completed tank is identifiable by such markings.
- All material need to be inspected prior to incorporation in the tank to ensure correct dimensions and freedom from unacceptable flaws, especially in edge preparations.
- Review and monitored all NDE required for all welded joints.
- Perform Field Inspection and witness NDE applied for weld joints of Annular Plates, Annular to Bottom Plates, Bottom to Bottom Plates, Annular to shell, shell to shell, Shell to Roof & Nozzles.
- Perform Field Inspection and witness NDE applied like Vacuum Box Test, Radiographic test, etc.
- Perform and Witness Dimensional check (Peaking, Banding, Roundness & Plumpness).
- Check Welds Hardness Test & Fittings penetrating tank shell like nozzles and apply air test.
- Check removal of temporary shell attachments and witness NDE Applied for confirmation.
- Perform Field Inspection and witness NDE applied for Roof Welds, Roof to shell plates, Top angles & Compression Ring & apply inspection and testing for heating coil.

- Check internal cleanliness, flange face, Bolt nuts tightening, check test Package, perform pretest punch work, check cleaning of punch items & Check / witness of hydro test, hydro pneumatic test.
- Perform Tank Calibration & PRV, VRV & ERV Calibration and install them wherever applicable.
- Final Boxing up & walk around of tank for punching, verification of punch list clear.
- Final Manhole closure (Flange Face, Gasket, bolt & Nuts check) & Final bolt tightening.

Dates : From Oct. 2010 till Aug. 2012

Employer : Qatar Petrochemical Company (QAPCO) (through DNV. GL)

Project : Extension of Linear Density Polyethylene (LDPE)

Job Description :

- Tank Inspector:
  - Perform Inspection for new constructed cylindrical storage tanks according to API 650, 620.
  - Monitoring & Perform inspection for all piping & Mechanical work related to constructed Tanks.
  - Witness the tests, controls and inspections, guarantee inspection status control for parts of the plant within the area of responsibility, authorizing their acceptance at quality control completion, obtain the relevant documentation and ensure the correct implementation of the approved Inspection Test Plan according to Client's requirements.
  - Review and approval of the construction execution plan for project phases, and prepare of daily and monthly construction activities.
  - Supervise mechanical and piping installation work to ensure that work is completed on schedule and in conformity with drawings and spec.
  - Reviewing all site work and prepare punch list for the construction work completion.
- Piping Test Package Coordinator:
  - Coordination, review and final acceptance of Test Packs in order to carry out with the Hydraulic Tests & Arranging and Releasing test packs with proper relevant document for site testing.
  - Ensure all punch list items are cleared prior to handover & Coordinate with Eng/QC/Construction/Hydro test group and Client for Material & Manpower Schedule prior for testing & Input Test pack data in System, and producing various reports.
  - Coordinate the achievement of the plant piping test circuits completion as defined in the project plans & Review the PID Drawings against piping ISO Drawing and Perform Line Check Punch List.
  - Organize final acceptance of Test Packs dossier & Keep the traceability of all written communications & Determine what tests will be needed and limit of tests test and deadline for tests.
  - Advise Construction contractors, include all of the above & Print the correct number of Test pack after registration is complete in Takeover & Organize that all tests packs must be scanned.
  - File all tests packages by Object & Make sure test packages are on

site.

- Follow up, monitor and report on daily/weekly the progress of Tests.
- Coordinate the achievement of the plant piping test circuits completion as defined in the project plans and schedules by commissioning team.
- Monitoring the field piping completion activities in an orderly manner according to piping system commissioning priorities & Organize weekly coordination meetings with Construction contractors and internal site organization, in a perspective of an overall optimization
- Coordination with the Designated Sub-Contractors and area on responsibilities
- Receive Test Packages for line checking, document reviews and punch listings.
- Distribute test packages to Inspectors and Line Checkers for site confirmation and verification.
- Perform actual site line checks and verification as per approved isometric drawings.
- Review and coordination of NDE and outstanding Inspection.
- Monitor, records and clearing of QC related punch items.
- Maintain working relationship between owner, architect, officials and subcontractors.
- Final release and sign of test packages.
- Witness air blowing, hydro test, service test, pneumatic test and flushing.
- Develop and monitor the preparation of inspection packages documentation and drawings to ensure all ISO's and key plans are available for the inspection package.
- Monitor and supervise Inspection Engineer to ensure inspection activities are in compliance with applicable procedures and the inspection reports from Inspection Engineers and provide recommendation if necessary. Report any major findings to QA/QC Manager promptly.
- Monitor and plan any re-inspection after blasting required at specific line/package and any follow up required for specific inspection package.
- Prepare and update progress of inspection activities and provide the status to relevant parties.
- Inspection of welding joints as per Codes and Drawings.
- Ensure that transfer the Specification and Heat Number during the cutting of pipe.
- Review the all inspection reports and signed.

Dates : From Apr. 2010 till Oct. 2010
Employer : Dolphin Energy (through DNV. GL), Qatar
Project : Gas Processing Plant at Ras Laffan Industrial City
Job title : Piping Inspector

Job Description :

- Perform inspection for Process Piping According to ASME B31.3 along with ASME Code Section IX for welding, ASME B16.5 for pipe fitting design and selection and ASME Code Section V.
- Monitoring Installation of Piping systems and pipe line for U/G, A/G Piping in either C/S, S/S, Aluminum, RTR, PVC, CPVC etc. and verifying the related QC documentation.
- Reviewing Sub Contractor Procedures related to Piping Work Fabrication, Construction and Testing including Tie in or Hot tap as required according to API 570, 574, 577, 571.
- Reviewing and performing material receiving inspection as per company and client requirements utilizing the applicable standards and specifications.
- Ensuring close-out of all open issues / punch-points within the time frame agreed with the client & Stage wise inspection before, during and after fabrication.
- Inspection of piping materials identification as per isometric drawings.
- Witnessing of activities like PQR, Welder's qualification Tests, Mechanical testing and preparation of PQR records and WQT certificates.
- Review of radiographic films, Witnessing of UT, MPI, DPI, Hardness, PWHT and review of test reports & Review of Daily Welding reports & Welding Pipe book.
- Witnessing of Weld repair activities as per client approved WPS.
- Line walk and Punch List preparation before Hydro Test & Review of Hydro test packages.
- Witnessing of Hydro testing, Pneumatic testing as per client approved procedures.
- Verification of Reinstatement of Piping systems after completion of all hydro testing activities.
- Verification Mechanical Completion Package & Issue of Non-conformance reports & verification of Corrective/Preventive action.
- Liaison with client inspectors for inspections of Hold and Witness Point.
- Witnessing / Inspection of Tie-In and Hot Tap welding activities.
- Witnessed Refinery Maintenance & shut down Inspection of vessel, column, Heat exchanger & Piping Hot tap.

Dates : From Apr. 2009 till Apr. 2010

Employer : Qatar Petroleum (through DNV. GL), Qatar

Project : EPIC of strategic Gas Transmission Project (SGTP)

Job title : TPI Pipe Line Inspector

Job Description :

- In process inspection of orbital Automatic GMAW welding in 36" Pipe line.
- Monitor and verify that welding works are completed as per approved procedure and meets Project Quality Specification and procedure, Witness all Destructive Tests.
- Evaluate new developments in welding field for possible application to current welding problems.
- Witness of all hydro-testing and PWHT activities for under and above ground piping work and Verify installation in accordance with relevant Specifications, Flow diagrams, Construction drawings and P&ID'&

Reviewers of proposed welding procedures, WPQR and WPS.

- Prepare, establish, and implement Internal Quality Audit to success the QMS audit and ISO 9001 surveillance Functions as Lead Auditor, and follows up on audit findings and corrective actions and Monitor any Post Weld Heat Treatment on site.
- Supervise mechanical and piping installation work to ensure that work is completed on schedule and in conformity with drawings and spec.
- Coordinating inspections at supplier shops and Coordinating on-site inspection.
- Review of Contractor/supplier/subcontractor QA-QC documents.
- Plan and conduct QA audits at Contractor, subcontractor and supplier activities.

Dates : From Feb. 2008 till Apr. 2009

Employer : QATOFIN (through DNV. GL), Qatar

Project : Execution of Low Linear Density Polyethylene (LLDPE) PLANT

Job Description :

- Tank Inspector (Shutdown):
  Perform Inspection for Storage Tanks during Plant shutdown as per API 653 are as follows:
  - Internal Inspection - Shell Plate:
    - ❖ Shell plate inspection for corrosion and deformation.
    - ❖ Shell plate circumferential and longitudinal welding joints inspection for corrosion and cracking.
    - ❖ Internal coating inspection (if any).
  - Internal Inspection - Bottom Plate as follows:
    - ❖ Thickness measurement and remaining life calculation on bottom plates and annular plates.
    - ❖ Bottom plates and annular plates inspection for corrosion and deformation.
    - ❖ Bottom plates and annular plates welding joints inspection for corrosion and cracking specifically the annular plate joints with first shell course plate, Sump inspection & Internal coating inspection.
    - ❖ Inspection of sample plate, which must be cut to find any external corrosion.
    - ❖ Vacuum testing inspection and supervision.
  - Internal Inspection - for Fixed Roof as follows:
    - ❖ Roof plate & Roof structure inspection for corrosion and deformation.
    - ❖ Roof plates and structure members welding joints inspection for corrosion and cracking.
  - Internal Inspection - for Floating Roof.
  - Internal Inspection - for Internal Equipment.
  - External Inspection-for Shell and Roof.
    - ❖ Thickness measurement and remaining life calculation.
    - ❖ Shell and roof plates inspection for corrosion and deformation.
    - ❖ Nozzles, man ways, flange welding joints inspection for corrosion and cracking.
    - ❖ External part of annular plates inspection, specifically welding joint with shell plates.
    - ❖ Side vents inspection & Gasket seating surface inspection of

nozzles and man ways flange joints.
- ❖ Top angle, wind girder and stair way inspection for corrosion and deformation.
- ❖ Roof sump inspection (floating roof only) & Pontoon and pontoon structure welding joints inspection.
- ❖ Pontoon air leak testing (internal floating roof only) & Weather shield rubber and pontoon doors.

- External Inspection - for Foundation:
  - ❖ Concrete foundation inspection for corrosion and cracking & Earthling system inspection.
  - ❖ Asphalt inspection (around shell) & Cathodic protection system inspection.

- In-Service Piping Inspector:
  - Perform Inspection for In-service Piping Plant network according to API STD 570, along with some of recommended Practice like API RP 574, API RP 577, API RP 571, API 578, ASME B31.3, ASME Code Section IX and ASME PCC-2 & approved piping inspection procedure.
  - Creating a piping inventory list indicating the line number, pipe specification class, rating, schedule, pipe origin location (from) and pipe destination location (to).
  - Creating piping isometric sketches to facilitate inspection and the recording of corrosion monitoring locations (CMLs).
  - Dividing whole unit piping into piping circuits based on process condition and potential degradation mechanism.
  - Selecting appropriate NDE techniques for each piping circuit based on the circuit damage mechanism.
  - Selecting appropriate NDE techniques for each piping circuit based on the circuit damage mechanism.
  - Determination of CMLs points in piping isometric sketches based on the potential for general or localized corrosion and service specific damage mechanisms.
  - Determination of piping service class based consequence of failure and instruction stated in API 570 or based on the Risk Based Inspection method.

Dates : From Jan. 1998 till Feb. 2008

Employer : Petroleum Marine Services, Egypt (PMS)

Job title : QA/QC Inspector

Job Description :

- Review Client Technical Specification (Drawings, Procedures, Specifications, Standard/Code) with preparation and provide of QAP, ITP, PQR and WPS that will be used to execute the Project.
- Interpretation and assessment of the radiographic film.
- Evaluate new developments in welding field for possible application to current welding problems or production processes &perform all internal and external audits on behalf of the company's.
- Co-ordination with client, NDT agency and Destructive test lab including witness of the destructive testing Coordinate all QA/QC activities with the site QC manager.
- Dealing with codes (API 1104, 571, 574, 577, AWS D1.1, DNV OS-F101,

and ASME IX, V, 31.3, 16.5) and Supervision on the quality activities in the onshore and offshore sites.

- Establish Quality training program based on the project needs: PQP, Client Technical Specification, NCR & Cost of Quality and control the status of NCR using Statistical Technique in order to eliminate problems & Attend client quality management meetings.
- Prepare, establish, and implement Internal Quality Audit to success the QMS audit and ISO 9001 surveillance Functions as Lead Auditor, and follows up on audit findings and corrective actions and Monitor any Post Weld Heat Treatment on site.
- The preparation of the companies QA manual control and supervision of all amendments and revisions & Control and the distribution of all the company's quality documentation.
- Verify contractor quality requirements are specified to vendors and contractor documentation submittals & Review quality inspection personnel qualifications and training requirements.
- Attend all pre-bid meetings and coordinate all project requirements with the project bidders.
- The preparation and control of project quality system management documentation prior to project commencement & Monitor the disposition of all issued non-conformance reports.

Field of experience :

- Senior Mechanical Industrial Inspector – Supervisor (Quality & Construction) (Process, Refinery, Petrochemical, Gas, Oil & Power Plants).
- Seasoned senior professional global experience in quality, engineering, project and construction management seeking challenging assignments, projects and the opportunity to provide outstanding service and successful results for the Company and Client(s). Emphasis in overall quality management, improvement and the execution of Construction, quality management systems, quality assurance and quality control activities during EPCC projects.
- Solid mixture of corporate office, field (sites) and fabrication shop experience in the power, oil & gas, Petrochemical, Refining, Process and related industries, providing an excellent foundation for a valuable team oriented position.
- To advise on repair techniques, materials selection, welding procedures, inspection and testing requirements and preparation of punch list and material reviewer.
- Worked for and with, many high-profile EPC Companies, Contractors and Clients/Owners including Shell, Exxon, Chevron, KBR, M.W. QP, QATOFIN, Babcock & Wilcox and Foster Wheeler, to Bechtel, JGC, CB&I, GS E&C, Chiyoda, Toyo, and Ras Gas in various senior management roles.