

ANUMOD. M
QA/QC MECHANICAL / WELDING INSPECTOR

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Objectives & Goals

To obtain a position in which my academic and professional skills can be utilized to the best of the organization where I have the responsibility and accountability for using my skills and efforts to achieve great results.

Profile

More than Nine (9+) years of experience with the capacity of Quality Assurance/Quality Control field for Oil & Gas Refinery, Petrochemicals & Power Plants Projects/Maintenance as a welding/Piping/Mechanical Inspector in esteemed organizations, shop fabrication, field inspection and supervision, in construction field related to Power & Process Piping in India, KSA & Qatar.

Educational & Technical Qualification

- ❖ Bachelor of Technology (B. Tech) in Mechanical Engineering.
- ❖ AWS- CWI- Certification no - **10021981**
- ❖ ASNT Level-II in RT, UT, PT & MPI.

Seminars and Additional Certification

- Approval from QATAR PETROLEUM (QP) - as QA/QC, Welding/mechanical Inspector.
- Approval from Saudi Aramco-Khuras Area Facilities Expansion & Satellite GOSP as QA/QC, Welding Inspector.
- Approval from Saudi Aramco-Jazan Refinery & Terminal Projects as QA/QC, Welding Inspector.
- Approval from Saudi Aramco Total Refining & Petrochemical company (SATORP-Turnaround-Shutdown) as QA/QC Mech. & Welding Inspector.
- Approval from Saudi kayan Petrochemical Company as QA/QC Welding / Mechanical Inspector
- Approval from the NCC Power project division as QA/QC Welding Inspector.
- Approval from QATAR PETROLEUM (QP) - 3 SHUT DOWN PROJECTS as QA/QC, Welding Inspector.
- Approval from S-CHEM AL JUBAIL as QA/QC, Welding Inspector.
- Approval from DOOSAN HEAVY INDUSTRIES & CONSTRUCTIONS (DHI) With Saudi Electricity Company (SECO) as QA/QC, Welding Inspector.

Skills & Strength

- Inspection and Supervision of welding Pressure vessels/Piping/Structural/Tanks as per international and American / British standards related to Refinery & petrochemicals oil & gas construction industry and Offshore-Onshore rig building and maintenance.
- Knowledge of welding procedures of CS, Low & High Alloy Steel, LTCS, NACE, SS (304,309,316,)
- Non-destructive evaluation techniques (inspection & procedure, RT Interpretation)
- Conducting WQT, PQR, Mechanical Testing, Hydro Testing, Pneumatic Testing, NDT, RT Film Interpretation.
- Monitoring welding activities, NDT Mechanical activities, Material Inspection and related documentation.
- Review of manufacturing Data Book, Inspection Test Plan, Material Certificates and all stages of final instruction.
- Preparing and implementing Inspection Test Plan for various activities involved in the Construction of Refineries as Project specification and relevant International Standards and getting approval from the Client.
- Review & witness Welding Procedure Qualification Record (PQR) in case of variation in the essentials variable with existing PQR, as per International Standards and additional requirements of client.
- Review Welding Procedure Specification (WPS) with relevant qualified PQR for the particular projects.
- Review & witness Welder Qualification Tests for various Welding procedure specifications as per ASME section IX, ASME B 31.3, API 1104, AWS D1.1 etc.
- Conversant with International Codes like ASME section II, V, VIII, IX, ASME B 31.3, B 31.1, AWS D1.1, API 1104, API 650, API 5L etc.
- Coordinating with Client and Contractor Inspection Department at various stages of fabrication activities and getting approval.
- Receiving Inspection and verification of welding consumables.
- Interfacing with the project management team to close out audit findings, NCR, and changes.
- Visual Inspection of Carbon Steel Pipe for length, ovality, straightness and common discontinuities as per the approved Parameters set by API 5L/Client.
- Comprehensive problem-solving abilities, Excellent verbal and written communication skills, Ability to deal people diplomatically, Quick learner and implement things quickly, Team facilitator, ability to work in multicultural environment.
- Attend weekly quality/inspection meetings, weekly/monthly progress meetings, and hold quality/inspection special meetings with the clients representatives to prepare minutes of meetings and its distribution and follow up action for the resolution of highlighted issues.

Job History (Abroad)

Worked from, 2011 to till date in various companies with their various Oil and Gas Refinery, Petrochemicals and Power Plant Projects constructions, Vessels fabrication workshops, Offshore and Onshore oil rigs manufacturing projects in India, JUBAIL (KSA), RABIGH (KSA), Al-Qassim (KSA), Al-Khuraish (KSA), completed assignments QA/QC Welding Inspector in Saudi Aramco and various Shutdown projects in KSA & Qatar.

Assignments and Projects in Brief

COMPANY : DESCON ENGINEERING QATAR LLC.
POSITION : QA/QC Welding/Mechanical Supervisor.
DURATION : December 2021 to April 2022.
CLIENT : Qatar Petroleum (Qatar Energy)
PROJECT : Qatar Petroleum Plant Maintenance & Mega Turn Around 2022.

COMPANY : SNAMPROGETTI SAUDI ARABIA CO LTD
POSITION : QA/QC Welding Inspector
DURATION : April 2018 to April 2019 & October 2019 February 2021
CLIENT : Saudi Aramco
PROJECT : Khurais Area Facilities Expansion & Satellite Gasp.

COMPANY : GULF ASIA LLC
POSITION : QA/QC Welding Inspector
DURATION : June 2019 to October 2019
CLIENT : Saudi Aramco
PROJECT : Jazan Refinery & Terminal project

COMPANY : AYT
POSITION : QA/QC Mechanical/Welding Inspector
DURATION : January 2018 to February 2018
CLIENT : Saudi Aramco Total Refinery Project (SATORP TURN AROUND)
PROJECT : SATORP TURNAROUND-PLANT MAINTENANCE 2018.

COMPANY : SAUDI KAYAN PETROCHEMICAL COMPANY
POSITION : QA/QC Mechanical/Welding Inspector
DURATION : November 2017 to December 2017
PROJECT : Saudi Kayan TA & Major Maintenance.

COMPANY : NATIONAL CONTRACTING COMPANY
POSITION : QA/QC Welding Inspector
DURATION : January 2016 to August 2017
PROJECT : Qassim Combined Cycle Power plant, Al-Qassim.

COMPANY : DESCON ENGINEERING LLC
POSITION : QA/QC Welding Inspector
DURATION : January 2015 to November 2015
CLIENT : Qatar Petroleum (QP) & QAFCO
PROJECT : Shut down Projects - Natural Gas Plant -NGL Unit #2, #3 & QAFCO

COMPANY : AYT
POSITION : WELDING QC INSPECTOR
DURATION : September 2014 to December 2014.
PROJECT : S-chem Project.

COMPANY : NATIONAL CONTRACTING COMPANY (NCC)
 POSITION : QA/QC Welding Inspector
 DURATION : June 2012 to June 2014
 CLIENT : DOOSAN HEAVY INDUSTRIES & CONSTRUCTIONS (DHI)
 PROJECT : Construction of Rabigh Power Plant-2 Project.

Job Responsibilities

- Inspect material and equipment as applicable to ensure compliance with project requirements and for proper handling, storage and protection at facilities/construction sites.
- Monitor Contractors Quality systems, Records and Quality personnel for compliance with requirements.
- Coordinating with respective clients and vendors throughout the Inspection process period.
- Review the Purchase Orders and Technical specifications prior to perform Inspection. Experienced in verification of records, material inspection, mill test certificates, final inspection of materials, material receiving inspection (MIC), witnessing of Hydro Test and Pneumatic Test of valves.
- To carry out daily fit-up and weld visual inspection, and dimensional inspection according to the applicable Project specifications, approved drawings and International codes and Standards.
- Perform "Hold", "Witness" and "Surveillance", inspections and tests at facilities/construction sites to ensure compliance with Project Specifications.
- Review and evaluate Contractors Quality Document submittals.
- Quality assurance of welding activities as per WPS.
- Monitoring, Recording and Maintaining of records of all QC/Welding activities site.
- To conduct fit up and dimension inspections as per Inspection and Test Plan and review radiography test film.
- Conducting Procedure Qualification, welder performance Qualification, witnessing and reporting of pre-heating, post heating and post weld heat treatment procedures.
- Attending project coordination meetings and responding to assigned tasks.
- Ensure that materials, Welding, Inspection and NDT are applied to the requirements of the contract.
- Visual inspection of fit up, and weld visual reviewing welding procedure specification and quality plan.
- If repair found as per the NDT report, co-ordinate with the client.
- Production to repair weld joint as per approved repair procedure.
- To monitor Welder performance and their repair rates in accordance with job quality requirements.
- Prepare and submit the applicable QC documents/procedures for client & third-party inspector.
- Verify Test Certificates/Physical Check of received weld Consumables. Use of relevant stickers. Check on welding consumable storage and use.
- Check on welding consumable storage/use. Visual check on weld joint for edge preparation, fit-up, root, preheat, inter-pass and final welds. Monitoring WPS implementation on job by welders.

- Carryout welder surveillance on a daily basis and review daily welding reports.
- Preparing and scheduling the required NDT request including PWHT.
- Witness NDT activities and Review NDT Report such as PT, MPT and RT.
- Ensure PWHT of welds. Review of Stress Relieve Charts for conformance to PWHT Cycle.
- Coordinating and Witnessing Weld Procedure Qualification Test, Welder Qualification Test, and Organized with the client and Inspection Agency Inspector.
- Final visual dimensional inspection of steel structures after completion of welding and prior to coating.
- Ensure that the inspection reports, mill test certificates, calibration certificates, etc. are available, verified and accepted by our inspector during the inspection have been carried out in manufacturers end as per quality assurance plan.
- Ensure that the raw materials have been accepted by clients for free issue items like SS pipes according to the quality requirements as per the standards. The pickling and passivation has been carried out for SS pipes for high temperature service.
- Organize and arrange a qualification test for welders and obtain clients approvals prior to start welding activities.
- Prepare and submit the weekly welding status report and weld rejection report with adequate justifications on weekly basis.
- Advise and guide the discipline inspectors in identifying non conformances against the approved quality plan, procedures and/or other applicable national/international standards and specifications and encourage them to issue Nonconformance reports (NCR) against the observed non conformances are controlled and will not be repeated.
- Prepare for incoming material inspection certificates (IMIR) for incoming materials.
- Monitored day-to-day progress and taken suitable steps to achieve a target.
- Following the formal systems and procedures to maintain controlled quality practices throughout the project and organization.
- Review of isometric drawings and ensure approved WPS as well as qualified welders are available and plan accordingly for the preparation of welding procedures (WPS), conducting PQR, and WQT etc.
- To maintaining the calibration records for all the inspection instruments, gauges Equipments with valid calibration dates.
- Witnessed Hydro-Pneumatic Line Inspection, Hydro Test and Pneumatic Test.
- Prepared the NDT request as per Client's requirement and coordinated with NDT subcontractors.
- Maintained welder's continuity record and prepared welder's performance Qualification records.
- Preparing and maintaining of inspection documents & carried out data collection.
- Coordinated with third-party inspection agencies and company representatives for all related inspection activities.
- Witnessed the Hardness test, reviewed PWHT charts, NDT activities.
- Involved in the implementation of work in accordance with the Safety requirements.
- Prepared all equipment punch lists and verify all items are in place and act as an agent for the Company during punch list activities.
- Acted as focal points in implementing the Project Quality Plan to client's satisfaction.
- Prepared and reviewing Test Pack for Hydro Tested Pneumatic Test and witnessed it.
- Prepared and submitted final handover documents to the client that include mechanical completion check.

- Ensure that, adequate quality standard is maintained throughout the project.
- Adherence to Company policies and procedures.
- Follow up and review of standard procedures.
- Prepare issue and follow-up corrections to deficiency reports for material or installations that do not meet specification requirements.
- Required knowledge transferring to the peer and newcomers and providing necessary training as well.
- Effectively participating on a challenging team works.
- Always challenging the change of new work practices.

- **Pre-Shutdown Activities:**

- Find out essential places for Blinding/spading for equipment isolation and monitoring of its activities with supervisors. Making of detailed Inspection and testing plans in discussion with client and set up wall planner for the concerned activities at various stages on the process.

- **Shutdown Activities:**

- Pre visual Inspection of all equipments whichever is opened (like pressure vessels, Regenerator, Boilers, Reactors, Reformers, Heat Exchangers, Columns and Towers etc.
- Inspection after Cleaning / Chemical Cleaning, & list out the repair activities in accordance with procedures and standards.
- Inspection after repair in Heat Exchangers like Tube, Tubesheet change, Ferrule Inspection, Plugging, Seal welding of tubes, Hydrotest shell & Tube sides etc.
- Performing Pressure vessels internal assembly visual inspection and thickness survey.
- Witnessing hydro tests and leak tests for pressure vessels heat Exchangers piping PSV's and PRV's.
- Monitor all inspection activities regarding equipments installations, starting from the warehouse inspection, each stage of erection and up to final documents hand-over.
- Prepare issue and follow-up corrections to deficiency reports for material or installations that do not meet specification requirements.
- Stage wise inspection of Equipment, Pipe & Fittings.
- Final inspection with client as per Quality Assurance Plan. Testing of the equipment as per the stated Code.
- On stream and Plant shutdown inspection of heat exchangers, fin fan coolers, crude distillation towers, strippers, columns, pressure vessels, Stand Pipes, Expansion Joints, Storage tanks (Floating roof, bullet type & sphere type), furnaces (forced draft & induced draft) reactors and process pipelines etc.
- Visual Inspection of Reactors/Reformers removal & loading of Catalyst, Hydro test of Coils & final Box-Up Inspection.
- Inspection of Drums & Vessels for its Mechanical Integrity, review of all NDT Related activities & final Box - Up.
- Visual Inspection of Crude Column, Identifying damaged trays, Chimney trays, Removal & install of new trays, Hydro test of Chimney trays & final Inspection.
- Removal of Old valves, Stand Pipes, Expansion Bellows & repair, D.P Test, Thickness measurement records review, & re - installation of Valves.
- Witnessing of Mechanical Clearance, flushing, valve seat test, Reinstatement or Boxing-up.
- Final sign-off on all QC check lists and ITP completion forms after final acceptance by QC department.
- Co-ordination with client and company inspection teams to solve QC related issues.

Computer Skill

Auto CAD, Microsoft Word, Microsoft Office, Microsoft Excel, Microsoft Power Point

Personal Information

Date of Birth	:	04/10/1988
Marital Status	:	Married
Nationality	:	Indian
Passport No	:	U 0414184
Passport Validity	:	09 December 2029
Languages Known	:	English, Arabic, Hindi, Malayalam & Tamil

Declaration

I do hereby declare that the above-mentioned details are true to the best of my knowledge & belief.

Yours Truly,



(ANUMOD. M)