

CURRICULUM VITAE

NAME: Muhammad Taseen Mughal
NATIONALITY: PAKISTANI
DATE OF BIRTH: 05-11-1979
LANGUAGE SPOKEN: ENGLISH, URDU
EDUCATION: Three years Diploma Associate Engineering in Mechanical Technology

PROFESSIONAL QUALIFICATION:

API 510 Pressure Vessel Inspector
CSWIP 3.1 Certified Welding Inspector
ASNT Level II in **RT, MT, PT, UT**

APPROVALS Saudi Aram co Approved NO. 8000835

QM 03- General Mechanical
QM 04- NDE
QM 06- Fabricated Piping
QM 07- Valves
QM 08- Fittings
QM 09- Gaskets
QM 12- Non Critical
QM 15- Steel Structure
QM 30- Pressure Vessels
QM 31- Heat Exchangers
QM 34 -Storage Tanks

MAY 2013 To October 2022

Client Name: Applus Velosi Saudi Arabia Ltd.Ad Dammam, Saudi Arabia.

Position: Mechanical Inspector

- Covering all required inspections for Pressure Vessels, Heat Exchangers, Skids, Storage Tanks, Structural Steel, Steel Towers and Poles for Transmission Lines, Lighting Poles & Lighting Masts, Terminal Compound Structures
- Mechanical, Welding & Coating inspections for various types of Steel structures such as Steel Towers and Poles for Electric lines

- Structural Steel use for Power Transformers, above 2.5 MVA for 110 kV and above
- Structural Steel use for Line Conductor, Bare (Conductors, Overhead ground wire (OGW), optical fiber ground wire (OPGW)
- Steel Structural use for Substation Panels (AC/DC, Protection and Control, AMI, RTU and Metering Devices)
- Review of inspection and Test plan incorporating intervention points on ITP.
- Review & approval of welding procedures & NDE Procedures.
- Conducting Pre Inspection Meeting on the behalf of client.
- Review and implementation of Quality procedure.
- Inspection of Fit up, Welding, NDE and Final Inspection of Pressure Vessels / pipe line / structure / equipments as per Inspection & Test plan.
- Check and review of calibration of Equipments used in Fabrication, Welding and Painting.
- Inspection of Plate, Flanges / Forgings, fittings, Pipes, Gaskets, Nut / Bolts etc.
- Inspection of Welding consumables, Rods / Filler wires / SAW Flux, Shielding Gas etc.
- Application of welding consumables as per applicable Welding Procedures.
- Witness Dimensional and Visual Inspection of Fabricated components as per approved drawings.
- Inspection of wet film thickness immediately after application of paint.
- Inspection of dry film thickness of painted surface after curing period.
- Witness Mechanical testing, Tensile / Impact / Hardness / Ferrite on Test coupons.
- Witness UT / MT / PT Nondestructive examinations.
- Review of Radiography Films and review of NDE reports.
- Witness PMI Testing on alloy materials and review of reports.
- Review of Time Vs Temperature PWHT Chart for compliance.
- Witness Hydro Test, Pneumatic Test, and Vacuum Test as per procedure.
- Ensure qualified Welders are used for production.
- Issue NCR for Non-Conformance and ensure close-out with appropriate resolution.
- Monitoring contractors Inspector activities performing inspection as per approved ITP witness/hold points.

Heat Exchanger

- Conducting Pre- Inspection Meeting on behalf of Client to discuss about the production activities and Inspection status as per the Clients IAP and Saudi Aramco Specifications and TEMA.
- Review of Inspection and Test plan and conducting inspection as per the ITP stage and scope of
- Inspection Carried out Inspection for Heat exchange at manufacturer place for both New construction and Maintenance of Heat Exchange visual, dimensional control, Re tubing of Heat exchanger witnessing of NDE, Mechanical tests & Hydrostatic test.
- Ensuring all identification/markings was correct according to Client requirements.
- Inspection for raw material, monitoring for manufacturing, visual and Review the test

reports and Material test certificate as per ASME and API Standard and Clients Specification.

- Review of all NDT methods, Stage & Final Visual & Dimensional Inspection as per the approved Drawings Datasheet, IAP, SAMSS and TEMA.
- Inspection of Hydrostatic / Pneumatic test and as per the approved procedure.
- Checking the welding is complied with the approved welding procedure specification.
- Review/maintain calibration records of Inspection / Test Equipment
- Witnessing any testing required as per the project requirements such as positive Material Identification, Mechanical testing such as Tensile, Hardness test, Impact test etc
- Inspection of surface Preparation and Painting activities.
- Marking and packing verification such as internal corrosion protection prior for shipment
- Review of complete (Manufacturer Data Record) MDR of the project/ Final Dossiers prior to acceptance of the product.

Storage Tanks

- Inspection of Storage Tanks as per **API 650** and Construction of Large, Welded, Low-Pressure Storage Tanks as per **API 620**
- Conducting Pre- Inspection Meeting on behalf of Client to discuss about the production activities and Inspection status as per the Clients IAP and Saudi Aramco Specifications.
- Review of Inspection and Test plan and conducting inspection as per the ITP stage and scope of
- Inspection Carried out Inspection for Storage Tanks at manufacturer place for both visual, dimensional control, witnessing of NDE, Mechanical tests & Hydrostatic test.
- Ensuring all identification/markings was correct according to Client requirements.
- Inspection for raw material, monitoring for manufacturing, visual and Review the test reports and Material test certificate as per ASME and API Standard and Clients Specification.
- Review of all NDT methods, Stage & Final Visual & Dimensional Inspection as per the approved Drawings Datasheet, IAP, SAMSS.
- Inspection of Hydrostatic / Pneumatic test and Vacuum box test as per the
- Checking the welding is complied with the approved welding procedure specification.
- Review/maintain calibration records of Inspection / Test Equipment
- Witnessing any testing required as per the project requirements such as positive Material Identification, Mechanical testing such as Tensile, Hardness test, Impact test etc
- Inspection of surface Preparation and Painting activities.
- Marking and packing verification such as internal corrosion protection prior for shipment
- Review of complete (Manufacturer Data Record) MDR of the project/ Final Dossiers

prior to acceptance of the product.

Steel Structure

- Checking assembly / sub assembly with respect to the drawing
- Inspection of site welding job (checking of WPQ, Weld consumable, Process, Visual, Appearance, NDT/ weld size etc)
- Checking of Dimension for ground assembled structures / items
- Checking of Alignment for erected items with Protocol / sketch & subsequent clearance for grouting
- Checking completeness of erected structures / machines with respect to drawing.
- Suggesting improvement on overall QA activities
- Interactions with customers / consultants/ Erection Agencies / representative at the Site, on quality aspect
- Follow up / checking of Compliance points. Punch points

Valves

- Valves Witnessing the in-process and final inspection & tests for Valves as per API 598, API 607, API 609, API 526, API 527, ASME B16.10 & client specification (general, control and safety relief) like
- Receiving (MTC reviewing) and PMI witnessing
- Witness of hydro test - conducting shell, seat, back seat and pneumatic.
- Set pressure test for relief valves
- Calibration verification of equipment used for inspection
- Functional testing of the valves
- Final dimensional inspections.
- Name plate verification
- Witness of painting inspection

NDT

- Documented and maintained all piping data of main process plant independently.
- Killing of check list related to isotope, Vehicles, Dark room
- Provision of codes and standard books in NDT Office
- Submission of weekly forecast NDT related consumables to Head office
- Updating of personal Dose record for Radiographers
- Coordination with Execution and QC departments regarding daily radiography of weldment.
- Coordination with HSE Dep't regarding radiographic work permit, adaptation of all safety measures specially area cordon off.
- Execution of film processing and wrapping film interpretation

- Weekly submission of radiation exposure of data to client

December 2011 TO MAY 2013

Client Name: SGS Inspection Services Saudi Arabia Ltd. Ad Dammam, Saudi Arabia.

Position: Mechanical Inspector

- Organize and execute inspection jobs with professionalism and magnitude.
- Understand the scope of work before reporting for any job.
- Promote the image, capability and integrity of the company to client
- Ensure the best quality of execution

- Checking & monitoring welding activities before, during and after welding.
- To develop & Perform WPS/WQT as per standards
- Conversant with various welding processes like SMAW, GTAW SAW, GMAW, and FCAW.
- Coordinating inspection activities like raw material inspection, stage inspection and final activities.
- To Check MTR's, WPS, PQR's and WQT reports

- Inspection of Piping Fabrication (Shop & Field joints) as per isometrics.
- Monitor / control all NDT requirements as per WPS & specifications
- To witness DPT& MPI as per code & specifications.
- Verification of as built drawings & to maintain its log
- To prepare a final QC Dossier / Inspection Data Manual and submit to the client for acceptance of work.
- Verification of welder qualification record before deployment at job site
- Verification of welding consumables as per approved WPS (Size. Condition. Specification & Storage)

- Joint Fit-up & Welding Inspection of Pressure Vessels, Pipelines & Plant Piping.
- Surveillance Inspection of all Welding Activities.
- Inspection of Welding consumables, Rods / Filler wires / SAW Flux, Shielding Gas etc.
- Reviewing of WPS & PQR.
- Witnessing PQR Mechanical Tests, Tensile / Impact / Hardness / Ferrite etc.
- Witness Welders Qualification Test & Qualifying Welders.
- Ensure Pre heat / Inter pass temperature as per approved procedure and manufacturer recommendation.
- Ensure Calibration of Welding Equipments.
- Interpretation of Radiography Films.

- Reviewing of Ultrasonic, Magnetic Particle & Dye Penetrant Test Reports.
- Reviewing of Post Weld Heat Treatment Reports.
- Witnessing and Reviewing of Hardness Test.
- Witness and Review of Positive Material Identification Test.
- Checking of all QA/QC documents prior to Hydro Tests.
- Lead Contractors team in QA/QC and Department Coordination meetings.

March 2002 TO April 2007

Client Name: HEAVY MECHANICAL COMPLEX TAXILA Taxila PAKISTAN.

Position: QC Inspector

- Joint Fit-up & Welding Inspection of Pressure Vessels, Pipelines & Plant Piping.
- Surveillance Inspection of all Welding Activities.
- Inspection of Welding consumables, Rods / Filler wires / SAW Flux, Shielding Gas etc.
- Reviewing of WPS & PQR.
- Witnessing PQR Mechanical Tests, Tensile / Impact / Hardness / Ferrite etc.
- Witness Welders Qualification Test & Qualifying Welders.
- Ensure Pre heat / Inter pass temperature as per approved procedure and manufacturer recommendation.
- Ensure Calibration of Welding Equipments.
- Interpretation of Radiography Films.
- Reviewing of Ultrasonic, Magnetic Particle & Dye Penetrate Test Reports.
- Reviewing Post Weld Heat Treatment Reports.
- Witnessing and Reviewing of Hardness Test.
- Witness and Review of Positive Material Identification Test.
- Checking of all QA/QC documents prior to Hydro Tests.
- Lead Contractors team in QA/QC and Department Coordination meetings

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APPLUS+ EQUIPMENT WORK EXPERIENCE

Client, Project	Material description	Vendor Name, Location
ARAMCO/ D7068-MIP-PKG01-Offshore-Gosp-4 Development	Forged Steel Gate, Globe & Check Valves Below 2"	Industrial Valve Manufacturer Dammam KSA
ARAMCO/ Haradh and Hawiyah Field Gas Compression	Forged steel Ball Valves	Industrial Valve Manufacturer Dammam KSA
ARAMCO/ Water Handling Debottlenecking-South Ghawar Area	Forged & Cast Steel Ball Valves	Industrial Valve Manufacturer Dammam KSA
ARAMCO/ MARJAN INCREMENT PROGRAM - TANAJIB GAS PLANT PROJECT, PK-09 & 11	CS Pressure Vessels	AL-ZAMIL METAL WORKS FACTORY Ltd Jeddah KSA
ARAMCO/ MIP06 – ONSHORE OIL FACILITIES FOR TANAJIB OIL FACILITIES PROJECT	STEEL STRUCTURE	ARABIAN INTERNATIONAL COMPANY (AIC) Jeddah
Petro Rabigh/Re-Tubing of Fin Fan Cooler (RPO-104 & RPO-0130)	Fin Fan Cooler Tag# EA-01A-/20	Olayan Descon Yanbu, KSA
ARAMCO/ JIGCC Project Package 5 Utilities and Common Area	Flare Risers fabrication: TAGS : A41-F-001 (90") & A41-F-002 (36") & A41-F-004 (18	HELAL AL SEWEDY AND PARTNERS FOR STEEL INDUSTRIAL CO. LTD.(ENERGYA STEEL)
ARAMCO/ JAZAN Refinery and Terminal Project (EPC 9)	Derrick Acid gas Flare, Derrick HP Flare, Derrick LP Flare, Riser for Acid gas Flare, Riser for HP Flare, Riser for LP Flare	Hidada Company Ltd Jeddah KSA
Technicas Reunidas / End user ARAMCO Project: FADHILI GAS PROGRAM (FGP) PROJECT	Pressure Vessels	Hidada, Plant 2D Industrial Area Jeddah
GIS inspector For ARAMCO	Pressure Vessels and Storage Tanks.	Hidada, Plant 2D Industrial Area Jeddah

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Project Name: Drinking water tank's Jazan refinery and terminal project, pkg14		
Petro Rabigh Project name: BUTENE SPHERE-1 PROJECT	SPHERE Tank	PCMC Rabigh
Petro Rabigh Project name: 3 No. Ethane Dryer & 1 Knock Out Drum	Ethane Dryer & Knock Out Drum	Maritime Industrial Services Arabia Co. Ltd Jubial
GIS inspector for ARAMCO Project Name: Vessel (I) for JO5 unit Jazan refinery and terminal project, pkg14	CS Pressure Vessels and Storage Tanks.	Hidada, Plant 2D Industrial Area Jeddah
NATIONAL CONTRACTING COMPANY Project name: QASSIM II& III SC TO POWER PLANT	Steel structure	Bemco Steel Industries Jeddah
GIS inspector for ARAMCO Project Name: Jazan refinery and terminal project, pkg14	Pressure Vessels	Hidada, Plant 2D Industrial Area Jeddah
Hasan Juma Backer Trad & Contact. Project name: Sohar Sewage Network Phase3	Valves	AVK Saudi Valves Manufacturing Co. Ltd Jeddah
GIS inspector for ARAMCO Project Name :J05/J70E units Jazan refinery and terminal project, (Package #9)	Structural steel	Arabian International company Jeddah
GIS inspector for ARAMCO Project Name :Jazan refinery and terminal project, pkg14	Pressure Vessels(AVU)	Hidada, Plant 2D Industrial Area Jeddah

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Worley parsons Project name: PP13 & PP14 (Module1,2,3,4, Roof, Truss, Duct inlet)	Fabrication and Supply of Casing and Ducts	Hidada, Plant 2A Industrial Area Jeddah
Worley parsons Project name: P14051-PP13/PP14 Stacks, silencer Duct, Transition Duct Square to Round, Expansion Bellow & Steel Structure	Stacks, silencer Duct, Transition Duct Square to Round, Expansion Bellow & Steel Structure	Bemco Steel Industries Jeddah
BAPCO Project name: GAS SUPPLY TO NEW CUSTOMERS AT SOUTH ALBA INDUSTRIAL AREA	Induction bending of Elbows 90° and Pipes	Saudi Steel Pipe (SSP) Dmmmam