

103295-MMP-4QWZ-E-2010
Senior Welding & Inspection Engineer

Holds a B. Sc. in Metallurgy & Materials Engineering and has more than 7 years of extensive experience in welding management, inspection & NDT specially Storage Tanks & Piping in Oil & Gas & power plant EPC projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/08/1986
Gender : Male
Residence : Mansoura

EDUCATION

: B. Sc. in Metallurgy & Materials Engineering, Suez University, 2010
: Finished Pre-Master of Science in the field of welding, corrosion & inspection
: Post Graduate Master of Engineering in Welding, Inspection & Corrosion from Cairo University (since Jul. 2011)

LANGUAGES

Arabic : Native Language
English : Excellent
Russian : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: MS Visio
: MS Project
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Prepare to get ASNT level 3 NDT.
: ASME Standards & Certification Assessment Based Course, AUC.
: AWS/Certified Welding Inspector NO: 17052801 (Expiry: 2020).
: ASNT Level II Welding Inspector in 5 NDT methods (VT – UT – RT – PT – MT).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2017 till Jan. 2018
- Employer** : Saudi Petroleum Services Polytechnic (SPSP)
- Job title** : Welding, NDT & Inspection Instructor
- Job Description** :
- Preparing classroom and coursework materials, homework assignments, and handouts.
 - Prepare lesson plan & Toolbox talk.
 - Organizing and delivering classroom lectures.
 - Classroom management.
 - Teaching and instructing learners.
 - Assessing learner capability.
 - Developing lesson plans in line with the Curriculum.
 - Maintaining discipline in the classroom.
 - Creating a vibrant teaching atmosphere.
 - Developing programs of learning activities.
 - Preparing, marking and monitoring assessments.
 - Preparing progress reports of each trainee weekly and monthly.
 - Ensuring all the progress report is been properly file (Hard copy) and Soft copy is uploaded on the system.
 - Outlines of the teaching courses:
 - Safe practices for welders & inspectors & metric practice.
 - Documents governing welding inspection & Welder qualification such as Prepare WPSs & PQRs & WPQT, welder certificate & welder ID according to ASME IX.
 - Materials inspection, traceability & Consumables Receiving inspection & storage.
 - Metal properties & destructive testing.
 - Calibration of welding machines & heating furnaces.
 - Calculation of amount of filler metal, welding cost & welding time.
 - Teach welding sequence avoid distortion & fit up.
 - SMAW-GTAW-SAW-GMAW-FCAW-OFC-Brazing.
 - Reading blue prints, Engineering drawings, welding symbol, PID, PFD.
 - Welding Metallurgy, Weld & Base metal discontinuities.
 - Non Destructive Tests VT – PT – MT – RT – UT.
 - Use of inspection Tools & Measuring & gages such as: Welding Gages, micrometr, verners...etc.
 - Static Equipment such as Tanks, piping, pressure vessels, heat exchangers, ...etc.
 - Compressors & Pumps & Valves & transmission systems.
 - Bearings & lubrication.
 - Rigging & lifting.

- Dates** : From Sep. 2014 till May 2016
- Employer** : Asec Aresco / GS Engineering & Construction
- Project** : ERC constructing 30 Tanks (5 floating roofs) & 2x697m3 LPG spheres
- Job title** : Senior Welding & Inspection Engineer
- Job Description** :
- 30 Storage Tanks:
 - Prepare WPSs & PQRs & WPQT issuing welder certificate &

- welder ID with completed according to ASME IX - API650.
- Materials inspection, traceability & Consumables Receiving inspection & storage.
- Calibration of welding machines & heating furnaces.
- Calculation of amount of filler metal, welding cost & welding time.
- Inspection of foundation slope & level.
- Issue Weld Map & RT Map of 30 Tanks according to API650.
- Make the welding sequence of each tank for bottom, shell & roof plates to avoid distortion.
- Dimension check & Fit up of annular, bottom & sketch plates.
- Dimension check & Fit up of shell courses.
- Roundness, Plumpness, peaking & Banding of tank shell.
- Orientation & elevation of nozzles & Manholes.
- Roof Fit up, wind girders, curb angle welding & inspection.
- VT, VBT, LPT, oil test after welding, prepare RT request & RT film interpretation according to ASME VIII Div1 & PWHT.
- Tank Hydrotest with appropriate filling & emptying rates, holding time, type of water...etc.
- Sand Blasting at Sa21/2Internal & External painting of Tank & Insulation.
- Check WFT, DFT.
- Check that all work is carried out according to project specification & approved procedures with effective application of ITP.
- Perform Internal audit, Supplier Audit & coordinate for External Audit & issue NCR with remedial CA & PA.
- Calculation of amount of filler metal, welding cost & welding time.
- Ensure & verify that the quality of the site installations & activities is consistent with the company's policy & quality plan requirements together with the national and international standards codes and the customers specifications.
- Coordinate & supervise the quality of the inspections with all subcontractors and vendors.
- Coordinate all non-destructive testing on site; all quality matters with the customers representatives.
- Coordinate all Inspection Requests & distribute QA/QC documentation, approved drawings...etc. to site subcontractors.
- Arrange & participate in the site internal and external audits.
- Supervise and coordinate the site QC inspectors who execute all the quality site inspections.
- Review the customers specifications and facilitate relevant training for the site QC Inspector.
- Complete and coordinate the approval of the site's QC technical submittals and liaise with the Client.
- Liaise with the Site Construction Manager on all quality issues.
- Coordinate the QA/QC weekly meetings with the QA/QC subcontractors and draft and share the minutes of meeting with all QC personnel involved.
- Supervision of construction of pumping stations & connecting pipelines.
- Supervise a team from 4 engineers with 4 foremen & 300 welders & 30 fitter.
- Pressure Vessel 2x697m3 LPG Spheres (ASME VIII & ASME IX):
 - Check the level of foundation.

- Check Plumpness of Columns.
- Fit up the intermediate plate without upper column & check out of roundness before welding.
- Welding & Complete NDT of Equator plates & 100% RT.
- Welding Inspection of top & bottom crowns.

Dates : From Sep. 2013 till Aug. 2014

Employer : Integrated Petroleum Services (IPS) in KSA, subcontractor for ARAMCO

Job title : QHSE Engineer

Job Description :

- Coordinate Inspection Crews, ISO Documents, Inspection Procedure, updating employees' records, Equipment Calibration record, etc.
- Supervise the Welding & Inspection activities/operations for proper and timely execution of Inspection in respect to quality and quantity.
- Assure Welding & Inspection procedures are compliant to code and Client requirements.
- Periodic meeting with clients for discussing Inspection and feedback.
- Maintain Safety Policies, Safety sign board at Yard, Fire Extinguisher, Update Near miss and risk assessment.
- Conduct safety induction training/Pre Job Meeting.
- Conduct weekly site safety meeting with Employers and discuss the unsafe conditions and adequacy of welfare facilities.
- Conduct internal audits and responsible for external audits.
- Responsible for QMS Questionnaires and Prequalification process.
- Inspect and advise the material stacking, lifting, handling and transporting methods in yard.
- Responsible for quality related assignments like preparation of Operating procedure, Quality plans and work instructions.

Dates : From Feb. 2013 till Aug. 2013

Employer : INPEC

Project : Petroleum Storage Tank Construction for Veolia client to build three Carbon steel tanks 15m Diameter (open roof) according to API 650

Job title : QC Welding Inspector

Job Description :

- Attend pre-contract / project clarification meetings as necessary weekly.
- Excellent command of FCAW E71T-1, GTAW ER70s-3 & repair by SMAW E7018.
- Inspection according to ITP & company procedures.
- Prepare (WPS) & (WPQT) according ASME IX & API650 for semiautomatic FCAW spray mode transfer & ASTM A36 & A106GB.
- Inspection of incoming materials, checking FFP, Materials traceability and prepare PO, MRR & MIR.
- Dimension inspection, fit up & release for welding.
- Welding inspection & prepare NDT reports.
- Tank Hydrotest with appropriate filling & emptying rates, holding time, type of water...etc.
- Prepare Tank for sand blasting Sa21/2.
- Coating of Tanks & inspect DFT.
- Supervise welders & NDT inspectors.
- Prepare test pack & all the project documents.
- Review compiled documentation to meet project requirements.

- Dates** : From Oct. 2010 till Jan. 2013
- Employer** : KAHROMICA for power plant construction
- Projects** : North Giza & El-Ain El-Sokhna Power Plants
- Job title** : QC Welding Inspector
- Job Description** :
- North Giza Combined Cycle gas turbine (Exhaust system Module 1 (A+B) & Module 2 (A+B) & Module 3 (A+B):
 - Supervise of 75 welders, 25 fitters, 25 grinders with 3 foremen.
 - Experienced in inspection and welding of different types Flanges & fittings & valves.
 - Check piping alignment, orientation & fit up.
 - Experienced in SMAW E7018 & GTAW ER70s-6&ER308L.
 - Effective application of ITP according to ASMEB31.1, ASME IX, ASME V, ASME II.
 - Dimensional inspection & Verticality of Erected parts:
 - Inlet diffuser.
 - Exhaust Duct.
 - Diverter.
 - Inlet & outlet Diffuser.
 - Lower & Upper silencer.
 - Stack.
 - Check bolts torque with a calibrated torque wrench.
 - Fit up inspection & Release for welding according to WPSs.
 - Checking welders IDs & welding sequence to minimize distortion.
 - Prepare professional reports of VT & NDT.
 - Coating of welded structures & inspect DFT with UT.
 - Initiate NCR & CA & PA.
 - Al Ain El Sokhna Supercritical Power Plant (HRSG):
 - Review & Approve of method statement for HRSG installation & participate in ITP preparation.
 - Materials Inspection & Equipment verification.
 - Inspection before welding:
 - Check piping location, orientation & alignment.
 - Check foundation top surface chipping & cleaning.
 - Witnessing PAUT of welded joints and make professional report.
 - Welding:
 - Monitoring the welding & PWHT of low alloy steels piping such as P9, P91, P11....etc.
 - Monitoring the welding & PWHT of Stainless steels such Duplex & Austenitic.
 - Supervise welders, check their qualifications & IDs & Witness welders tests.
 - Carried out welding according to approved WPS & related codes as ASME IX, ASME B31.1, ASME I.
 - Followed up RT requests & require NDT & any repairs.
 - Casing:
 - Check base leveling and then bolt torque tightening value.
 - Check column plumpness & then grouting of column and prepare grouting checklist.
 - Fit up & welding between column & girder followed by visual inspection and cladding.
 - 10% PT for seal weld and fillet weld.

- Steam Drums:
 - Check the support Girder alignment and leveling.
 - Check the HP drum leveling and Center Line.
 - Tightening and sliding bolts losing by 3/4 rotation.
- 4 HP and Link Piping (Feed water, Main steam, Drain & Vent, Chemical dosing Piping):
 - Checking the cleanliness and identification of Piping Spools.
 - Check the Welding joint Fit-up.
 - Reviewal of PWHT report.
 - Final Welding Inspection.
 - NDE of Welding joint (HP 100%).
 - Line Check before Hydro test (for Supports and hangers, slope, elevation, valve & fittings, vent, drain etc.) as per P&ID.
- Inlet Duct:
 - Checking of foundation position, alignment and anchor bolt position.
 - Check alignment and verticality of column erection.
 - Grouting of Columns.
 - Join fit up and final inspection according to AWS D1.1.
- Final inspection & hydrotest:
 - Hydro pressure test (HP, other Lines) according to ASME I & B31.1.
 - Final Painting touch-up Inspection.

- Field of experience :**
- Experienced in welding different types of low alloy steels & welding stainless steels especially duplex.
 - Experienced to prepare/review of Welding procedure specifications (WPS) & Welding procedure qualification record (PQR) & Welders Performance qualifications (WPQ).
 - Extensive experience in interpretation of codes and specifications such as ASME B&P – ASME B31.1 – ASME B31.3 – ASME B31.4 – ASME B31.8 – AWS D1.1 – API – BSEN – NACE – DNV for off-shore and on-shore applications.