




Harry Minnie


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WORK EXPERIENCE

Quality Inspector

GRI Wind Steel (Atlantis, Cape Town) [04/03/2015 – Current]

City: Cape Town

Country: South Africa

I joined GRI Wind Steel South Africa (Atlantis, Cape Town) as a Quality Inspector for the Construction of wind towers, in accordance with EN 1090-1:2009, for the relevant clients who construct wind farms in South Africa.

My Duties and responsibilities at GRI Wind Steel South Africa included and are not limited to:

- Material identification of the plates and raw materials prior to manufacturing.
- Conducting visual inspections on plates prior to fabrication in accordance with ISO 17637
- Conducting visual inspections on purchased internals for the towers and ensuring that they are in good condition.
- Signing off fit-ups of plates and rolled plates (cans) prior to welding.
- Compiling relevant NCRs (Non-conformance reports) where needed.
- Performing continuous dimension inspections during the fabrication process. (ISO 2768-1:1089)
- Ensuring good calibration of all measuring equipment in the workshop, in accordance with ISO 9001:2015
- Tracking and controlling workshop activities.
- Continuous monitoring and surveillance of activities related to welding and fabrication works, in accordance with ISO 3834:2015
- Conducting crucial dimensional checks (Ovality/ Out-of-Roundness, flatness, tilt as well as EASY LASER) on the tower section flanges prior to shot blasting and painting, in accordance with ISO 2768-1:1989
- Performing Magnetic particle inspection on all welded materials as well as back gouging on welding repairs and welder qualification test plates, in accordance with ISO 17638
- Performing Dye penetrant testing on specified welding repairs and back gouging, in accordance with ISO 23277
- Conducting Ultrasonic testing on welder qualification test plates and on welded repairs, in accordance with ISO 17640
- Conducting Ultrasonic lamination scans on Incoming plates and flanges. (ISO 17640)
- Conducting Ultrasonic Wall thickness testing on completed tower sections prior to shot blasting. (ISO 17640)
- Conducting relevant surface condition inspections (Salt testing, checking for oil and grease marks, mechanical damage and excessive corrosion) prior to shot blasting, in accordance with ISO 8501-1, ISO 8501-3, ISO 8502-3, ISO 8502-6, ISO 8502-9).
- Signing off of the wind tower sections and relevant paper work prior to shot blasting and painting.
- Conducting Visual inspections after shot blasting on wind tower sections prior to painting. (ISO 8502-3)
- Conducting surface profile inspections after shot blasting on wind tower sections prior to painting. (ISO 8503-1)
- Conducting Dusts tests prior to painting. (ISO 8502-3)
- Conducting Visual inspections during and after painting on the wind tower sections.

- Conducting Dry Film Thickness test (DFT) after painting on the wind tower sections.
- Conducting pull-off adhesion tests on specified test plates in accordance with ISO 4624
- Conducting final inspection of mechanical internals prior to shipment.
- Conducting final inspection of wind tower sections before transporting to site.
- Continuous monitoring and surveillance of activities related to fabrication and painting works.
- Ensuring good document control is maintained, in accordance with ISO 9001:2015
- Reviewing of engineering drawings.
- Compiling inspection procedures and reports for mechanical internals.

Quality Inspector

Elgin Engineering [13/12/2013 – 28/02/2015]

City: Saldanha Bay

Country: South Africa

I joined Elgin Engineering, for the construction of five LPG storage tanks, as a welder and sub merged arc welder, with the vision of joining the Quality Department. Prior to commencement of manufacturing I was the first local person to be employed by Elgin Engineering from The Cape. During the establishment period I played an instrumental role in the logistics required to set up the factory, being the only person to have the necessary licenses to operate the lifting equipment and fork lifts. This included the installation of the plate roller and all other equipment. During December of 2013 I was left in charge of the entire offload and receiving of the 3000t steel imported for the project. This included supervising all personnel involved, and safely completing the process of offloading from Saldanha port to the manufacturing facility. I was also tasked with inspecting all received material. When I joined the quality department my duties included and were not limited to:

- Material identification of the plates and raw materials prior to manufacturing.
- Conducting visual inspections on plates prior to fabrication, in accordance with ASME section V
 - Signing off fit-ups of plates prior to welding.
- Liaising with NDT contractors regarding NDT requests and results.
- Conducting final visual inspection on welds prior to NDT, in accordance with ASME section V Article 9
- Performed hardness testing on welds, in accordance with ASME VIII and EEMUA 159
- Compiled relevant NCRs (Non-conformance reports) where needed.
- Ensuring good document control is maintained, in accordance with ISO 9001
- Oversaw welder test qualifications in accordance with ASME IX.
- Ensuring welder qualifications were up to date, in accordance with ASME IX
- Liaising with Post Weld Heat Treatment (PWHT) technicians regarding relevant heating and cooling rates.
- Performed dimension inspections, in accordance with ASME VIII
- Tracking and controlling workshop activities.

- Ensuring correct care and storage of low hydrogen welding electrodes and other welding consumables.
- Witnessing the welding of Production Test Plates, in accordance with ASME VIII and ASME IX
- Formulation of weld maps.
- Continuous monitoring and surveillance of activities related to welding and fabrication works, in accordance with ISO 3834
- Performed Magnetic Particle Inspection (MT) when needed, in accordance with ASME section V Article 7
- Supervision of all activities related to repairs and fabrication works (when on night shift duty).
- Reporting to top management (when on night shift duty).

Works Foreman

Aveng Grinaker-LTA [14/10/2013 – 02/11/2013]

City: Saldanha Bay

Country: South Africa

Overseeing the safe decommissioning, packing and shipping of heavy plant equipment. My duties also included machine operating and heavy lifts with overhead cranes.

Machine Operations

Oil Spill Response Ltd (South Africa) [01/10/2013 – 11/10/2013]

City: Saldanha Bay

Country: South Africa

Joined oil spill response to help out with general Machine operating work.

Driver and Welding Inspector

Bidfreight Port Operations [15/07/2013 – 27/09/2013]

City: Saldanha Bay

Country: South Africa

Joined Bidfreight Port Operations to drive extra heavy duty trucks. My duties also included assisting with basic welding in the work shop when needed and inspecting the welds on the trailers that got repaired. I was also used to oversee trainee welders and inspect their welds when required.

Quality Control Assistant/ Machine Operator

Oil Spill Response Ltd (South Africa) [30/05/2013 – 05/07/2013]

City: Saldanha Bay

Country: South Africa

Seconded to Oil Spill Response Ltd (South Africa) by Aveng Grinaker-LTA to assist in the build of the 3rd Oil Capping Stack. My duties included offloading of the parts required, with overhead cranes, and assuring the Quality of the parts needed by Trendsetter (USA) Technicians and Engineers. My Duties also included general machine operations.

Quality Control Trainee

Aveng Grinaker-LTA [08/01/2013 – 23/05/2013]

City: Saldanha Bay

Country: South Africa

Joined Aveng Grinaker- LTA as trainee Quality and welding inspector. During this period I trained with Bureau Veritas as assistant QC welding Inspector (one week) with the view of gaining more knowledge in Submerged Arc Welding, with emphasis on pressure vessel welding and inspection. My duties included supervising the continued training of trainee welders from the West Coast College. This included keeping of log books, test piece preparations and evaluations.

EDUCATION AND TRAINING

CSWIP 3.1 - Visual Welding Inspector - Level 2

TWI Training and Certification

Address: Granta Park, Great Abington, 5247 Cambridge (United Kingdom)

<https://www.twitraining.com/>

SAIW- International Welding Inspection –Basic (level 1)

Southern African Institute of Welding

Address: Unit 70. Milpark Centre cnr Ixia Street & Koeberg Road, 7441 Cape Town (South Africa)

<https://www.saiw.co.za>

PCN Ultrasonic testing level 2 for welded plates and pipes (ISO 9712)

NASA-Non-Destructive Academy of South Africa Durban

Address: 3 Pastoll Rd, Sarnia, 3610 Durban (South Africa)

<http://www.nondestructive.co.za/>

ASNT Ultrasonic testing level 2 for welded plates and pipes

NASA-Non-Destructive Academy of South Africa Durban

Address: 3 Pastoll Rd, Sarnia, 3610 Durban (South Africa)

<http://www.nondestructive.co.za/>

PCN Magnetic Particle Inspection level 2 for welds using portable equipment (ISO 9712)

NASA-Non-Destructive Academy of South Africa Durban

Address: 3 Pastoll Rd, Sarnia, 3610 Durban (South Africa)

<http://www.nondestructive.co.za/>

ASNT Magnetic Particle Inspection level 2 for welds using portable equipment

NASA-Non-Destructive Academy of South Africa Durban

Address: 3 Pastoll Rd, Sarnia, 3610 Durban (South Africa)

<http://www.nondestructive.co.za/>

Visual testing level 2 (ISO 9712)

Spanish Association of Non-Destructive Testing

Address: C / Bocángel 28, 2º Izda, 28028 Madrid (Spain)

<https://www.aend.org/>

NACE Coating Inspector Level 2

NACE International

Address: 15835 Park Ten Place, 77084 Houston, Texas (United States)

<https://www.nace.org>

NQF 6 Certificate in Total Quality Management

University of South Africa

Address: Jean Simonis St, Parow East, 7500 Cape Town (South Africa)

<https://www.unisa.ac.za>

Submerged Arc Welder (West Coast College)

West Coast TVET College

Address: 01 Akademie St, Louwville, 7380 Vredenburg (South Africa)

<https://www.westcoastcollege.co.za/>

LANGUAGE SKILLS

Mother tongue(s):

English, Afrikaans

DIGITAL SKILLS

Microsoft Word / Microsoft Excel / Microsoft PowerPoint / Outlook / Social Media / EASY LASER