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OCUPATION

Ingeniero (E) en Producción con mención en Industrias.
QA/QC Mechanical Inspector.
NDT Level II Ultrasonic Testing.
NDT Level II Radiographic Testing.
QA/QC Welding Inspector.
Auditor Interno ISO 9000.

LABOR EXPERIENCE

September 2014 to date, Nexxo S.A. Developing the position of manager of the Integrated Management System (Sistema de Gestión Integrado) in Antofagasta offices.

Function Performed

Head of Quality Management for contract cleaning and inspection of heat exchangers, in plant shutdown ENAP Refinery Aconcagua Concon.

Performs SGI maintenance contracts with Minera Lomas Bayas, Minera Escondida among others.

December 2011 to June 15,2014 Tecnicas Reunidas Chile Ltda.(TR Chile)
Developing the position of QA/QC for the Mejillones LNG Project, specifically in the manufacture and assembly of duty Cryogenic tank TK-211 for 175.000 m3 capacity.

Functions Performed:

Performs administration and coordination of control and inspection activities during assembly of the tank ,according to API 620 Appendix Q .

Performs mechanical inspections, field assembly and welding.

Receipt and inspection of materials and tank components parts.

Review report of NDT; RT, UT, VT and PT for inspection piping and steel shapes.

Receipt and inspection of materials and component parts of the tank.

Performs mechanical inspections,installation and field welds.

Preparation and review of final documentation (Dossier) for final delivery of mechanical completion of Pre-Commissioning activity.

Perform final closure process management and quality control, through the preparation of Dossiers GNLM customer delivery.

October 2010 to November 2011, Bureau Veritas Chile S.A.

Develops the position of Technical Auditor for the project “Suministro de Agua de Mar Algorta Norte” in Mejillones.

Functions Performed:

Performs gamagraphic auditor in pipe welds 16” diameter carbon steel .Review of gammagraphics corresponds to 100% of inspected,according to the criteria for acceptance and rejection of API 1104 (Welding of Pipelines and Related Facilities).

Develops the position of **Mechanical Piping office as Auditor** for the contract “Aseguramiento y Control de la Calidad” Escondida Ore Access Project (EOA).Agreement signed between Bureau Veritas and Fluor Chile S.A.

Functions Performed:

Prepares audit plans and conducts audits based on the Systems Quality Assurance of the companies involved in the assembly and construction of the works EOA.

Some of the major companies audited during the development of the project are:SK Sigdo Koppers S.A. , Constructora el Sauce ,Ingelog S.A. The audits focus primarily verify traceability of the activities undertaken during the project development such as:Acquisitions,certification of equipment and materials put in work, activities notarize manufacturing,assembly,welding and welders control, inspection laboratories between others.

March 2010 to June 2010, DSD Construcciones y Montaje S.A. Develops the position of Head of Quality Management Work, for the Project “ Emergencia Post Terremoto” Refineria Enap BIO-BIO (ERBB).

Functions Performed:

The work are intended to repair, rebuild and assemble as the case, part of the facilities of the various plants that were damaged product 27-02-2010 earthquake, which struck the BIO-BIO City (VIII Region of Chile).

HDT Plant; Inspects air coolers supporting structure that were damaged by 90%,to determine how to remove a risk of falling equipment.

CRL Cracking Plant; Performed control, inspection and monitoring of the work in equipment regenerator reactor D-100 and D-101.Work corresponds to change plenum and expansion joint cyclones mainly.

Topping 1 and Topping2 CCR Plant; Check on equipment anchor bolts, bolts changes are made as a result of the inspection and controlled torques are subsequently made.

All the work is done on the basis of procedures,welds made with WPS qualified welders and backup,ENAP inspections as Bio-Bio specifications and ASME code mainly.

The NDT used;gammaagrahy Testing (RT),Ultrasonic Testing (UT) and Liquid Penetrant Test (PT).

Quality Kit is made final delivery of completed official ERBB customer.

February 2008 to February 2010, ENAEX S.A. Develops the position of Quality Management Coordinator for the plant expansion project “Planta de Nitrato de Amonio 4” (PANNA-4)

Functions Performed:

Responsible for directing and controlling the system implemented the project Quality in structures, piping and equipment disciplines.

Monitors, inspects and carried forward states in the manufacture and installation of storage tank Ammonia and Nitric acid according to API 620-650.

Controls and revises ratings welders, welding procedure qualification (PQR-WPS) contractor.

Check, controls and administers certifications concerning documentation, protocols, procedures and technical specifications of the project.

Check controls and administers final documentation (construction term) through Turn Over (method of final documentation file) for preparation and initiation of pre –commissioning of the plant.

December 2006 to December 2007 , DSD Construcciones y Montaje S.A. Develops the position of Head of Quality Management Work for the Project ; “Delayed Coker Complexs” ENAP Refineria Aconcagua (ERA) Con-Con (V region de Chile).

Functions Performed:

Responsible for implementing the Quality Management System for the construction and assembly of three plants and interconnections; mechanical, piping, structures disciplines and installation of oil storage tanks to according API-650.

Directs and coordinates the activities of inspection team composed of ten people (Surveyor, inspectors, assistants).

Prepares inspection and test plans (ITP) for each particular discipline.

Introducing internal and external nonconformities identified during the process of construction and assembly.

Development of procedures and guidelines for particular situations where there are not these in the Quality Management System implemented.

Controls and maintains the status of welders and welding procedures work (WPS-PQR-WPQ).

Keeps staff informed regarding inspection and supervision of the technical specifications and standards that apply to the project.

Maintains documentation control and logging of checkpoints listed in ITP, for each discipline.

Prepare final documentation (Dossier) to customer delivery.

April 2006 to August 2006, DSD Construcciones y Montaje S.A. Develops the position of Head of Quality Management at work, structural and mechanical assembly stacking system, removal and disposal of rubble.

Facilities Riochilex S.A. Minig Company SPENCE Mining Project. Km62 South West of the city of Calama. Antofagasta II Region Chile.

Functions Performed:

Responsible for implementing and maintaining the Quality Management System at work.

Development of welding procedures for execution of welded joints mechanical structures (Bodies of Caterpillars).

Development of procedures for Non-Destructive inspection (NDT),mainly Ultrasonic Testing (UT) and Gammaography Test (RT).

Control and review topographical reports alignments,grading,squares and preassembled structures and mechanical equipment as part of a transport system mineral belts (Conveyor).

Preparation of documentation to meet Quality audits by customer (Aker Kavaerner).

Preparation,recording,control and monitoring of internal and external nonconformities identified in the course and development of construction and assembly work.

Preparation of all documentation concerning the notarization and certification generated during the development of construction and assembly work,to be delivered to the customer (Aker Kavaerner) at the end of the work,under the methodology of a file named TOP.

March 2005 to March 2006,DSD Construcciones y Montaje S.A. Develops the position of Head of Quality Management at Work "Pemuco Inulin Plant Project (Chilor Project).

Functions Performed:

Responsible for implementing and maintaining System Quality Management on site.

Defines and prepares inspection plans by area piping,equipment,structures.

Develops and coordinates Welding welder qualification tests in work (WPS-PQR-WPQ).

Reviewing for manufacturing isometric.

Inspection control welded joints in piping and equipments.

Control structure assembly inspection (leveling,verticality,torque).

Control of incoming materials (Certificates of Quality).

Prepare delivery documentation mounted or built areas (Dossier).

October 2002 to March 2005, DB Concepcion S.A. Develops the position of Engineer Leader QA/QC.

Functions Performed:

Develops and implements the inspection plan for plants maintenance work performed (Ethylene,Topping,URL,Craking).

Implements and applies technical specifications, standards and national and international standards in the execution of the work of maintenance and repair of tanks, boilers, ovens and piping.

Control and inspection of equipment heat exchangers according to TEMA standars,ASME and customer specifications Enap Bio-Bio (ERBB).These works are referred mainly to the maintenance, restoration and assembly manufacturing heat exchangers and associated tests or test before putting into operation.

Develops procedures for repair by welding processes to parts and pieces mechanical equipment and piping.

Responsible for selecting inspection methods or techniques depending on the conditions and characteristics of the mechanical equipment to be inspected.

Performs procedures and instructions for implementation of ISO -9001:2000.

Coordinates and directs quality meetings in the organization in order to the continuous improvement of the processes involved in performing the service to Enap Bio-Bio Refinery (ERBB).

June 1994 to March 2002, EDYCE S.A. Develops the position of Inspector Supervisor/Leader (s) Quality Control Dept.

Functions Performed:

Develops and implements the inspection plan for the work of manufacturing equipment and building structures of mining.

Inspects materials and steel plates before entering the manufacturing process structures.

Makes and implements specifications welding procedures (PQR-WPS).

Inspect welds with nondestructive methods (UT, RT).

Provides training to workers implementers welding.

February 1991 to November 1993 CALEB BRETT CHILE (IITS). Develops the position of Inspector and Supervisor.

Functions Performed:

Responsible for the inspection of welds by radiographic method in the manufacture of pipes. Area tubular manufacturing units of the Siderurgica Huachipato (CSH).

Technical Inspector and mechanical equipment such as shovels, gears, shafts. Using non-destructive methods (NDT) for lifting equipment contract, area Mechanical Engineering at the offices of Siderurgica Huachipato (CSH).

Supervisor the contract in thickness measurement of pipe walls, tank and equipment with ultrasonic method. Carried out in the area of the refinery of petroleum PETROX S.A. Talcahuano

Gammaigraphy Inspector, reporting, acceptance or rejection according to gammaigraphy imaging interpretation according to API 1104. Installation of pipeline laying San Fernando (Oleoducto San Fernando Petrox S.A.)

February 1989 to January 1991, PETROX S.A. Develops the position of Technical Inspector.

Functions Performed:

Responsible to inspect hydrostatic and pneumatic tests according to codes and standards specified by PETROX S.A.

Responsible for bringing radiographs control piping welds in modified lines.

Performs RX technique for welded joints control.

Participate in the field of pipeline route to San Fernando, to carry the project internal inspection of pipeline by introducing a device electronics.

September 1989 to November 1989 OSEGTEL Ltda. Develops the position of Support Technician.

Functions Performed:

Performs standardization in piping lines and ancillary equipment for implementation of Horno Flash. Work done in industrial complex dependencies Codelco Chile División Chuquicamata.

November 1988 to September 1989 TENENGE CHILE ESI Ltda .Develops the position of Piping M1.

Functions Performed:

Perform layout work boiler, installation of piping ,installation of valves,welding and various assembly operations for Horno Flash y Anexos, project conducted in industrial enclosure Codelco Chile Division Chuquicamata.

August 1987 to October 1988 ,Gordon y Yungay S.A. Develops the position of Mechanical Maintenance Technician.

Functions Performed:

Perform maintenance work for ground drilling equipment such as compressors and pneumatic drillers.Work done for the project Construcción de Piscinas en Zona de Refinería N°3,Industrial Enclosure Codelco Chile Division Chuquicamata.

April 1987 to July 1987, ACES Ltda. Develops the position of Inspector Support Technician.

Functions Performed:

Perform controls spare parts of mechanical equipment ,tank,boilers,piping. To support inspection activities in the Technical Department PETROX S.A. Refinery Plant.

ACADEMIC EDUCATION

UNIVERSIDAD DEL BÍO-BÍO (UBB)
FACULTAD DE INGENIERÍA INDUSTRIAL
TÍTULO: INGENIERO (E) EN PRODUCCIÓN.

UNIVERSIDAD DEL DESARROLLO (UDD)
DIPLOMADO EN GESTIÓN Y DIRECCIÓN DE EMPRESAS
CON MENCIÓN EN ESTRATEGIA.

INSTITUTO NACIONAL DE CAPACITACION (**INACAP**)
TECNICO DE NIVEL SUPERIOR EN MECANICA INDUSTRIAL
CON MENCIÓN EN MANTENCIÓN.

EDUCACION PRIMARIA LICEO INDUSTRIAL A-23 TALCAHUANO
ESPECIALIDAD MECANICA DE COMBUSTION INTERNA Y AUTOMOTRIZ.

COURSES AND SEMINARS

November 2006

Course: AISC new specifications for steel structures. Organized by "Departamento de Ingeniería Civil de la Universidad de Concepción y el Instituto chileno del Acero (ICHA).

June 2004

Course: Standards and criteria for power boiler operation ,based on the ASME BPV Code. Organized and sponsored by "Departamento de Ingeniería de Materiales Instituto de Investigaciones Tecnológicas Universidad de Concepción".

May 2003

Training course where he obtained the certificate of "Auditor Interno de la Norma ISO 9001:2000".

September 2002

English course aimed at English Technical Translation, dictation by "Universidad Técnica Federico Santa María" sede Talcahuano.

April 2002

Seminar Inspección y Control de la Calidad en Soldaduras , dictation by "Centro Técnico INDURA"

August 2000

Welding Advanced Course,dictated by "LINCOLN ELECTRIC COMPANY"

May 1998

Level II Ultrasonic (UT) ,course dictated by APROL Ltda.

March 1997

Level I Ultrasonic (UT), course dictated by APROL Ltda.

January 1995

Level II Industrial Radiography (RT),course corresponding to regional project activities Non-Destructive Testing for Latin America and the Caribbean (RLA8/005) dictated by Universidad De Chile (IDIEM).

September 1995

Seminar Inspección y Control de la Calidad en Soldaduras , dictation by "Centro Técnico INDURA"

October November 1992

Course Protección Radiológica (CEPRO),dictated by Comision Chilena de Energia Nuclear.
Reactor Nuclear La Reina.

September October 1991

Level I Industrial Radiography (RT),course corresponding to regional project activities Non-Destructive Testing for Latin America and the Caribbean (RLA8/005) dictated by Universidad De Chile (IDIEM).

March 1991

Protección Radiológica course dictated by Facultad de Ingeniería de la Universidad de Concepción.

ADDITIONAL INFORMATION

Nationality: Chilean.

Date of birth: March 26-1968.

Rut: 11.290.662-2.

Licenses of driving: Class B.

Civil State: Married.

Language: Basic English spoken and written. Reading English Intermediate.

Bernardo Flores

January 23, 2015