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Vita

Todd A. Gautreaux

Technical Studies

Lamar State College-Orange

410 Front Street

Orange, Texas 77630

Office Phone: (409) 882-3030

E-mail Todd.Gautreaux@lsco.edu

Education

High School Graduate, Nederland High School, Nederland Texas

Licensures and Certifications

Certified as an Industrial Exterior Firefighter as per NFPA 1081.

Honors and Awards

None

Association Memberships

None

Professional Experience

8/2022 – Present

Adjunct Instructor Process Operating Technology Lamar State College Orange, Texas

Teaching Experience

PTAC 1302 Introduction to Process Technology

PTAC 2438 Process Technology III Operations

PTAC 2446 Process Troubleshooting

6/2002 – 3/7/2021

Head Operator

- Responsible for Delayed Coking Unit, Atmospheric Vacuum Unit, and Flare Gas Recovery Unit. Oversee 7 Operators Covering 6 different Jobs in rotation. 2 Console Operators, 2 Coke Drums Operators, Heavy Oil Operator, Gas Plant Operator, AVU Outside Operator. Responsible for all training, Procedure Reviews, What if Drills, OEL Audits, Housekeeping, MOC Reviews, Unit Process Optimization, Unit Rate Optimization Equipment Lubrication, Care and Rotation, PSM, Health and Environmental Protection, Communication with Refinery Operations. Coordinate and Prioritize Maintenance Work on all Process Equipment within the 3 Units. Assist on anything that the other operators on shift that may be needed. Also, taught 21 Day On the Job Training for New Operators.

Operator

Responsible for Delayed Coking Unit, Atmospheric Vacuum Unit, and Flare Gas Recovery Unit. I was Qualified on ALL 6 Operator Positions.

Console Operator on DCU with Gas Plant and AVU/ FGRU with Flare System.

Coke Drum Operator. Which includes Switching, Cooling, Draining for Coke Removal with LOTO, Testing and Heating Coke Drum for next Switch Time.

Heavy Oil Operator. Responsible for Heavy Oil Area which includes. 3 Coker Heaters with Air Preheaters, Fractionator Tower and Overhead Drum., 2 Product Stripper Towers. Crude Preheat Exchanger Train, 2 Waste Heat Boilers, Decoking Water Facilities, Sludge Injection System, Closed Blowdown System and all pumps and fin fans associated with these systems.

Gas Plant Operator. Responsible for Gas Plant Area which includes, Wet Gas Compressor, Interstage Drum, Absorber Stripper Feed Drum, Sponge Absorber, Absorber, Fuel Gas Scrubber, Fuel Gas KO Drum, Rich Amine Flash Drum, Naphtha Stripper, Debutanizer with Reflux Drum, C3-C4 Amine Contactor, Caustic Skid, Depropanizer with Reflux Drum, Naphtha Pretreater Feed Drum, Diolefin Reactor, Silica Reactor, Cold High-Pressure Separator, Cold Low- Pressure Separator, Flare System with KO Drum and all pumps and fin fans associated with these systems.

AVU/ FGRU Outside Operator. Responsible for all Outside Equipment on the AVU and FGRU with includes equipment for AVU: Raw Crude Preheat Exchanger Train, 2 Desalters, Desalted Crude Exchanger Train, Atmospheric Furnace, Atmospheric Tower with Overhead Drum, 4 Product Strippers, Waste Heat Boiler, Vacuum Furnace, Vacuum Tower, Off Gas Skid with Liquid Ring Compressor, Off Gas Compressor with Recontactor Drum, Fuel Gas KO Drum. Equipment for FGRU: 3 Liquid Ring Compressors, Off Gas Drum, Amine Contactor and all pumps and fin fans associated with these systems.

In addition, I helped commission the AVU. Did Loop Checks and handled all the SIS Testing for the Atmospheric and Vacuum Furnaces. I have helped with the recertification of Hazard Analysis for the DCU and new equipment for the units as needed as per the PSM Requirements. I was involved in the implementation of a new LOTO Program at the Port Arthur Refinery that resulted in having LOTO Packages. These Packages included an Equipment Isolation List, a marked-up P& ID with all Lockout Points, and a procedure for prepping and LOTOing that particular piece of equipment. Also, I worked up Temporary Head Operator when needed.

Pool Operator in Utilities

Worked at 3 Boiler Houses and at the Water Treatment Plant. (Vacation Relief)

15 Boiler House

Outside Operator responsible for ALL outside equipment which includes 3 650# Boilers with FD and ID Fans, Gas Turbine Generator, Cooling Tower, Fuel Gas KO Drum, Deaerator, Boiler Feedwater Tanks and all the pumps associated with this equipment.

In addition, I performed tests on Condensate Streams and Boiler Water for Contamination, PO₄, O₂ Scavenger, and pH.

18 Boiler House

Outside Operator responsible for 2 500# Boilers with FD and ID Fans, 1 650# CO Boiler, Fuel Gas KO Drum, Deaerator, Boiler Feedwater Tanks and all the pumps associated with this equipment.

In addition, I performed tests on Condensate Streams and Boiler Water for Contamination, PO₄, O₂ Scavenger, and pH.

Rover Operator responsible for 3 Joy Air Compressors, Cooling Tower and all Offsite Steam and Air Piping. Also, helped at 15, 18, and 16 Boiler houses when needed.

Power Plant Operator responsible for monitoring 2 500# Boilers and 1 650# CO Boiler. 1 Gas Turbine Generator, and 1 Steam Turbine Generator. Deaerator. Responsible for the 500# Steam Header and 125# Steam Header. Also, responsible for outside equipment, 1 Gas Turbine Generator, and 1 Steam Turbine Generator.

16 Boiler House

Outside Operator responsible for 5 850# Boilers with FD and ID Fans, Fuel Gas KO Drum, Deaerator, Boiler Feedwater Tanks, Cooling Tower, Joy Air Compressor and all the pumps associated with this equipment.

In addition, I performed tests on Condensate Streams and Boiler Water for Contamination, PO₄, O₂ Scavenger, and pH.

Power Plant Operator responsible for monitoring 5 850# Boilers and, 1 Gas Turbine Generator, and 2 Steam Turbine Generators. Responsible for the 850# Steam Header, 225# Steam Header, and the 15# Steam Header. Also, responsible for outside equipment 1 Gas Turbine Generator, and 2 Steam Turbine Generators.

Also, I worked up Temporary Head Operator at 16 Boiler house when needed.

Water Treatment Outside Operator responsible for Clarifiers, Charcoal Filters, Water Softeners, DI Train with Cation and Anion Units with all the pumps associated with these systems. Also ran tests on water to prevent Cation and Anion Breakthrough, and regenerated Cations and Anions as required. Also ran Stir Test to insure proper Polymer injection for Clarifiers.

7/93 – 6/2002

Process Operator "A"

- Utilities Dept. Boiler House, DI Plant and Outside Utility Operator.

Boiler Operator responsible for 2 500# Boilers with FD Fans, Deaerator, and Anion and Cation DI Plant with Charcoal Filters, and all the pumps associated with this equipment. In addition, I regenerated Cations and Anions as needed and performed tests on Condensate Streams and Boiler Water for Contamination, PO₄, O₂ Scavenger, and pH. Also ran tests on Potable Water for Chlorine Residual.

Outside Utilities Operator responsible for Clarifiers, Sand Filters, Natural Gas System, Potable Water System, DAF Unit, Sanitary Water System, Outfall, Remote Air Compressors, and Cooling Towers with all pumps associated with these systems. Also, ran Stir Test for Clarifiers and DAF unit for proper Polymer Injection. Also ran test on Cooling Towers for PO₄ and Chlorine Residual.

Day Operator

Responsible for unloading Tank Cars and Tank Trucks for use in Reaction Dept.

Blending and Compounding Dept.

Outside Transfer Operator responsible for several Polyethylene Pellet Transfer Systems. Gauged Pellet Silos washed Pellet Silos as needed. Operated Pellet Tumble Blenders. Hooked up Dry Flow Hopper Cars to be unloaded.

Inside Transfer Operator responsible for Bulk Transfer of Polyethylene Pellets for Reactor to Storage. Transfer pellets to feed the Compounding Units. Transfer Finished Product to Specific Silos for Shipping.

Dry Flow Operator responsible for loading Polyethylene Pellets in Hopper Cars and Bulk Trucks. Ran Switch Engine. Spotted Empty Hopper Car for Inspection, Washing, and Loading. Pulled Full Hopper Cars to be weighed and stowed. Spotted Tank Cars for the Day Operator. Spotted Hopper Cars for unloading and loading of Bulk Trucks. Spotted ALL Railcars for Daily Shipping on Outbound Track.

Banbury Mixer Operator on Compounding Unit responsible for proper Banbury Mixer operations. Weighed Additives and added as per recipe. Also, ran Air Compressor.

4/81 – 7/93

Operator

- Responsible for Delayed Coking Units. I was Qualified on all 3 Jobs.

Outside Operator 841 DCU responsible for Coke Drum Operations, Decoking Water System, 2 Charge Tanks, 3 Slop Oil Tanks, Heavy Oil End and Amine Unit. Which includes 3 Coke Drums, Closed Blowdown System, Crude Accumulator, 1 Coker Furnace with FD and ID Fans and Detached Convection Section. Crude Preheat Exchanger Train, Waste Heat Boiler, Fractionator Tower with Overhead Drum, 2 Product Strippers, Absorber Feed Drum, Absorber, Wet Gas Compressor, Sour Water Stripper, Fuel Gas KO Drum, Amine Regenerator, Regenerator Reflux Drum, Fuel Gas Scrubber and all pumps and fin fans associated with these systems.

Outside Operator 842 DCU responsible for Coke Drum Operations, Decoking Water System, Sludge Injection System, 2 Charge Tanks and 1 Slop Oil Tank, Closed Blowdown System, Crude Accumulator, Heavy Oil End, Amine Unit and Gas Plant. Which includes 2 Coke Drums, Crude Preheat Exchanger Train, Waste Heat Boiler, 2 Coker Furnaces, Fractionator Tower with Overhead Drum, 2 Product Strippers, Absorber Feed Drum, Absorber, Sponge Absorber, Wet Gas Compressor, Sour Water Stripper, Sour Gas KO Drum, Fuel Gas KO Drum, Amine Regenerator, Regenerator Reflux Drum, Fuel Gas Scrubber, C3C4 Scrubber, Rich Amine Flash Drum, Naphtha Stripper, Debutanizer with Reflux Drum, Naphtha Splitter with Reflux Drum, Intermediate Naphtha Stripper, Hot Oil Accumulator, Hot Oil Furnace, Flare System with KO Drum and all pumps and fin fans associated with these systems.

In addition to these duties, I ran Gravities of all Products, Boil Aways on C3C4 Product, and Amine Strength Titrations.

Board Operator 841/2 responsible for monitoring all Systems mentioned above. All pneumatic instruments.

In addition, I trained all Operators on a new LOTO Procedure when we started using actual Padlocks to LOTO Equipment and I also worked up as Head Operator on both units as needed.

Coke Driller responsible for unheading and cutting coke out of Coke Drum, Loading Hopper Cars, and heading up Coke Drum for Purging, Testing, and Preheating. Spotted empty Hopper Cars for Loading with Trackmobile.

Laborer Package and Grease Plant worked on 5 Gallon Pail Filling Line, Quart Motor Oil Filling Line, and Outboard Motor Oil Filling Line. Small Package Dept.

Research Interests

None

Current Research

None.

Teaching Experience

Adjunct Instructor Process Operating Technology Lamar State College Orange, Texas

PTAC 1302 Introduction to Process Technology

PTAC 2438 Process Technology III Operations

PTAC 2446 Process Troubleshooting

Valero Head Operator

Have taught 21 Day On the Job Training for New Operators. In addition, I trained all Operators on a new LOTO Procedure when we started using actual Padlocks to LOTO Equipment.

Professional Presentations

None

Publications and Papers

None

References

Patricia Moore 2910 Avenue G Nederland, TX 77627 (409) 722-2543

Thomas Badon 624 South Fifth Street Nederland, TX 77627 (409) 330-3700

Kelly McKeehan 10378 Gentry Drive Silsbee, TX 77656 (409) 504-9264

Terry L. Smith 13525 Thousand Oaks Drive Beaumont, TX 77713 (409) 719-8032