

STATE OF MINNESOTA
Executive Department



Governor Tim Walz

NOTICE OF APPOINTMENT

Kyle Bain

Because of the special trust and confidence I have in your integrity, judgment, and ability, I have appointed you to the office of:

**Industrial Company Representative
Board of High Pressure Piping Systems**

Effective: May 17, 2020

Expires: December 31, 2022

This appointment carries with it all rights, powers, duties, and emoluments granted by law and pertaining to this position until this appointment is superseded or annulled by me or other lawful authority or by any law of this State.

Signed and sealed May 12, 2020.



Handwritten signature of Tim Walz in black ink.

Tim Walz
Governor

Handwritten signature of Steve Simon in black ink.

Steve Simon
Secretary of State

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MAY 15 2020

Reappointment

President of the Senate

Filed on May 13, 2020
Office of Minnesota
Secretary of State,
Steve Simon

Application for the position Industrial Company Rep.

Part I: Position Sought

Agency Name: Board Of High Pressure Piping Systems

Position: Industrial Company Rep.

Part II: Applicant Information

Name: Kyle Bain

Phone:

County: Washington

Mn House District: 43B

US House District: 4

Recommended by the Appointing Authority: False

Part III: Appending Documentation

Cover Letter and Resume

Type	File Type
Cover Letter	application/msword
Resume	application/vnd.openxmlformats-officedocument.wordprocessingml.document

Additional Documents (.doc, .docx, .pdf, .txt)

Type	File Name
No additional documents found.	

Part V: Signature

Signature: Kyle Bain

Date: 11/21/2019 3:43:10 PM

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President of the Senate



KYLE BAIN
Reliability Engineer
Flint Hills Resources
3120 117th St E.
Inver Grove Heights, MN 55077
651-480-2798

To: The Office of Minnesota Secretary of State
Steve Simon

Please consider my application for reappointment to the Board of High Pressure Piping Systems under the position sought: vi. "Industrial company representative".

I have served on the Board of High Pressure Piping Systems for the last three years in the position of industrial company representative. My current term expires December 31, 2019. I have worked with the Board members and the Department of Labor throughout my term. I have represented issues from the perspective of industrial companies in the State of Minnesota while ensuring the High Pressure Piping Rules are maintained to current codes and standards.

As a Reliability Engineer at Flint Hills Resources, I am responsible for the technical requirements concerning design, fabrication and installation of all piping in the plant including High Pressure Piping. In this position, I am required to stay current on design codes such as ASME B31.1, ASME B31.3 and Minnesota High Pressure Piping Rules. I also need to adequately communicate these codes and rules through company Engineering Practices. I have been working with Minnesota High Pressure Piping Rules for the last 6.5 years and have been mentored by Mark Geisenhoff, former HPP Board member.

Flint Hills Resources is one of the largest operators and fabricators of High Pressure Steam piping in Minnesota. Flint Hills Resources would like to have a continued voice in this process for the future and I personally look forward to contributing to the safe design and fabrication of HPP.

Work Experience:

- 14 Years of experience in piping and piping component design, fabrication, installation and maintenance
- Mechanical Engineer United States Navy Puget Sound Naval Shipyard 7.5 years (2006-2013)
- Piping Reliability Engineer Flint Hills Resources L.P (Pine Bend Refinery) 6.5 Years (2013 to present)
- Responsible for design, fabrication and installation of piping at Pine Bend Refinery
- Responsible for quality assurance of piping at Pine Bend Refinery (including High Pressure Piping)
- Subject Matter Expert and Owner of Flint Hills Resources Piping Engineering Practices

Certifications/Training

- EIT
- ASME B31.3 Training

Sincerely,
Kyle Bain
Reliability Engineer
Flint Hills Resources
3120 117th St E.
Inver Grove Heights, MN 55077
651-480-2798

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President of the Senate

Kyle Bain

4440 Grafton Ave N • Oakdale, MN 55128
763.226.4059
Bain.K.J@gmail.com

SUMMARY

Dedicated and driven engineer with 14 years of experience solving unique problems and keeping systems and equipment running at peak performance through troubleshooting, engineered maintenance and repair in addition to effective time management and work prioritization. Team oriented with effective communication and presentation skills. Proficient in Microsoft Office.

EDUCATION

North Dakota State University, Fargo, ND
Mechanical Engineering, B.S. Degree, GPA 3.94/4.0, December 2005
Member of Tau Beta Pi and Pi Tau Sigma Engineering Honor Societies

ADDITIONAL TRAINING AND CERTIFICATES

ASME B31.3, Process Piping
Pumps and Pump Systems, American Trainco
John Zink Institute Burner School
Engineer in Training

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AFFILIATIONS

Board Member Minnesota High Pressure Piping Systems

President of the Senate

RECENT WORK HISTORY

FLINT HILLS RESOURCES PINE BEND REFINERY, Rosemount, MN, 2013-Present

Responsible for developing and maintaining Engineering Standards for all aspects of process piping design and fabrication for all of Flint Hills Resources including pressure and temperature design, stress analysis, welding and fabrication, steam system requirements and flange makeup.

Participate in capital projects through review of piping and fired heater scope to ensure adherence to company standards and code requirements.

Ensure leak-free operation in the plant through development of flange makeup and torquing procedures using ASME PCC-1.

Write and maintain company piping specifications for individual processes and design conditions to ensure proper metallurgy, valve class, and pipe/fitting class are utilized.

Responsible for design, maintenance, and monitoring of fired heaters including Coker Heaters, Hydrogen Reformers and Steam Boilers including Infrared monitoring programs.

Participate in Turnaround scoping for fired heaters including refractory and burner inspection and repair.

PUGET SOUND NAVAL SHIPYARD, Bremerton, WA, 2006-2013

Demonstrated technical expertise on nuclear aircraft carrier and three classes of nuclear submarines propulsion and auxiliary systems, including piping and valve operation and repair, pump and mechanical seal operation, welding

procedures and non-destructive testing requirements.

Team leader of five engineers planning the repair of nuclear aircraft carrier seawater cooling, power plant piping, heat exchangers and fresh water production systems and equipment.

Responsible for the timely planning of dozens of individual projects, with budgets ranging up to \$1.5 million dollars of manpower and material, across five simultaneous, ongoing carrier availabilities.

Collaborated with mechanics and quickly resolved design and production deficiencies on-site by applying knowledge of systems, material requirements, operation of equipment and technical standards.

Coordinated with electrical engineers, structural engineers and production managers.

Recommended changes in designs, specifications and schedules to accommodate plant conditions and to expedite repair.

Applied engineering principles to design and modify seawater-cooling systems, including corrosion/erosion prevention and repair.

Accomplished testing and inspection of shipboard equipment including piping and valve material assessment, pump and turbine operation and freshwater production system evaluation.

Maintained a safe, positive and productive work environment within an industrial work place.

Actively interfaced with vendors and contractors to ensure deliverables meet technical requirements and project milestones.

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