



Natalia Holland

Process Engineer

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SUMMARY

Chemical engineering professional with five years supporting process improvement, refinery operations, reliability initiatives, and industrial safety work. Analyzes operating data, equipment information, and field observations to identify yield, **energy efficiency**, reliability, and process performance opportunities. Develops practical engineering recommendations through process calculations, equipment modeling, thermodynamics, reaction engineering, and simulation concepts. Partners with operations, maintenance, and engineering groups during troubleshooting, hazard reviews, incident investigations, **management of change**, turnaround planning, and process documentation. Uses Excel and Microsoft Office for technical analysis, records, and recommendations grounded in operating conditions. Experience interpreting P&IDs and PFDs supports sound equipment and workflow evaluations. This background supports thoughtful decisions, clear communication, and dependable execution across industrial teams. Ready for continued growth in **refining operations** and **process engineering**.

EXPERIENCE

Process Engineer

Midwest Process Technologies 📅 April 2023 - Present 📍 Evansville, IN

Supports **process performance improvement**, reliability analysis, engineering recommendations, safety reviews, turnaround planning, and operating documentation. Works with operations and maintenance teams on technical issues affecting industrial process performance.

- Analyzed process data in Excel, identifying **reliability** and energy efficiency opportunities for operating teams.
- Developed equipment recommendations using process calculations, **operating observations**, and engineering records.
- Supported hazard reviews, management of change, and incident investigation documentation for process improvements.
- Troubleshoot **unit performance** with operations and maintenance teams, clarifying causes through **field observations**.
- Maintained **process documentation** and engineering records, giving operators dependable technical references.
- Reviewed equipment needs for turnaround planning, connecting execution requirements with operating priorities.

Junior Process Engineer

Industrial Solutions Partners 📅 July 2021 - March 2023 📍 Indianapolis, IN

Supported chemical processing studies, production improvement work, process simulation tasks, equipment evaluations, technical documentation, and safety focused collaboration. Built early career depth through supervised engineering analysis and field based review.

- Supported chemical processing studies, linking **engineering analysis** with production improvement recommendations.
- Prepared **technical documents** in **Excel**, organizing calculations and findings for engineering reviews.
- Interpreted P&IDs and PFDs during equipment evaluations, clarifying workflow and process connections.
- Assisted **process simulation** tasks, applying **engineering calculations** to chemical processing questions.
- Joined cross functional safety meetings, connecting field observations with operational performance discussions.
- Documented **engineering** findings from field reviews, preserving useful context for follow up decisions.

STRENGTHS



Process troubleshooting

When unit performance shifted, field observations and operating data helped isolate practical causes for team action.



Safety documentation

Hazard reviews and incident records became clearer, giving operating teams stronger context for follow up decisions.



Cross functional work

Operations and maintenance partners received useful engineering context during shared troubleshooting and performance discussions.



Engineering analysis

Excel calculations and equipment information turned process questions into recommendations teams could evaluate with confidence.



Process improvement

Reliability and energy reviews connected daily operating signals with practical opportunities for stronger unit performance.

SKILLS

Process improvement

Troubleshooting

Process simulation

Equipment modeling

Thermodynamics

Reaction engineering

P&ID interpretation

PFD interpretation

Hazard evaluations

Incident investigations

Process documentation

Cross functional collaboration

Reliability improvement

Energy efficiency Microsoft Office

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Process Engineer at
Midwest Process Technologies
(3.4 Years)

● Junior Process Engineer at
Industrial Solutions Partners (1.7
Years)

PROJECTS

Refinery Reliability Review 📅 2024

Reviewed process performance data, equipment information, and operating observations to identify reliability and energy efficiency opportunities. Findings supported practical engineering recommendations for operations and maintenance discussions.

Process Safety Documentation 📅 2023

Organized hazard review, management of change, incident investigation, and process documentation activities into clear engineering records. Work supported safer decisions and stronger operating continuity.

LEADERSHIP & AWARDS

- Recognized by engineering peers for clear process analysis and practical recommendations during operating reviews.
- Selected for expanded responsibility supporting hazard reviews, turnaround planning, and cross functional troubleshooting.
- Earned Process Safety Management Training recognition in 2024 through focused industrial safety development.

EDUCATION

Bachelor's Degree in Chemical Engineering

Purdue University 🎓 GPA: 4.0 📅 2021 📍 West Lafayette, IN

Coursework: Thermodynamics, reaction engineering, process design, process safety

CERTIFICATIONS

- Process Safety Management Training 📅 2024
- Valid Driver's License 📅 2024

TECHNICAL SKILLS

- **Process Analysis:** Process monitoring, process calculations, process performance
- **Simulation Tools:** Process simulation, equipment modeling, engineering calculations
- **Engineering Software:** Microsoft Excel, Microsoft Office, spreadsheet analysis
- **Process Drawings:** P&ID interpretation, PFD interpretation, equipment workflows
- **Chemical Engineering:** Thermodynamics, reaction engineering, chemical processing
- **Process Safety:** Hazard evaluations, Process Hazard Analysis, Process Safety Management
- **Incident Management:** Incident investigations, causal review, investigation documentation
- **Change Control:** Management of change, process records, approval documentation
- **Reliability Operations:** Reliability improvement, unit performance, operating observations
- **Turnaround Planning:** Turnaround activities, equipment needs, execution requirements
- **Business Applications:** Microsoft Word, Microsoft Outlook, Microsoft PowerPoint

PROFESSIONAL AFFILIATIONS

- Chemical engineering peer group, sharing process analysis methods and field review lessons with colleagues.
- Operations and maintenance partnership, supporting open communication during troubleshooting and turnaround preparation.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST