

NXU

Nexo University

Online Technical Training Platform



Enroll | Watch | Learn | Apply

Years of Experience in Processing Units

Amine Units – Dehydration Units – Cryogenic Units

Sour Water Units – Caustic Units – Desulfurization

Basic & Advanced Topics, Engineering, Operations & Troubleshooting



NXU | Nexo University | Online Technical Training Platform
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NXU Information

<https://nxu.teachable.com>

Features and Benefits

- Access NXU at your own location
- Work on your own pace and schedule
- OnDemand videos with 90-day timeline
- 21 different courses available and growing
- Low cost and convenient training mode
- Basic, advanced and specialized courses
- Tech Bits (1-5 min technical videos)
- Access to published papers
- Knowledge test after every course
- Completion Certificates issued
- Periodic progress reports
- PDH education credits available
- Live consultation with the NXU Expert Team
- Onboarding bundles for new hires
- Advanced bundles for engineers and operators
- Custom programs site specific
- Consultations available
- Access to NXU (<https://nxu.teachable.com>)

NXU Current Courses Available

- 1. Amine Unit Chemistry and Solvents**
 - Amine unit chemistry, different types of solvents and pros & cons
- 2. Amine Unit Equipment and Details**
 - Amine unit equipment details, main functions, and operational setpoint
- 3. Feed Contaminants to Processing Facilities**
 - Contaminant type, chemistry, process impacts, and mitigation approaches
- 4. Inlet Separation in Gas Processing Units**
 - Process impacts of inlet contaminants and separation strategies
- 5. Coalescer Troubleshooting and Failure Modes**
 - Real failure cases, images, solutions, and troubleshooting guidelines
- 6. Amine and Glycol Unit Filtration**
 - Basic principles, key items, selection, design and troubleshooting
- 7. Foaming in Gas-Liquid Contactors**
 - Key factors, troubleshooting, antifoams, and combat strategies
- 8. Foaming in Amine Units: Causes and Mitigation**
 - Key factors, troubleshooting, antifoams, and combat strategies
- 9. Anatomy of a Foaming Event**
 - Real amine unit foaming upset details and implications
- 10. Activated Carbon in Gas Processing Facilities**
 - Basic principles, key aspects, design and troubleshooting
- 11. Amine Unit Process Optimization**
 - Key aspects on energy use, sustainability considerations, and ESG
- 12. Gas Processing Best Practices and Troubleshooting**
 - Key areas, industry best practices, basic concepts, and troubleshooting cases
- 13. 7 Critical Factors of Sulfur Removal in Gas Streams**
 - Basic and advanced concepts, critical factors, and important learnings
- 14. Treating NGL with Non-Scavenger Based Chemistry**
 - Sulfur treating pipeline, terminal and plant treating, and color removal
- 15. Emulsions in Liquid-Liquid Contactors**
 - Emulsions basics, formation factors, testing and mitigation
- 16. Fouling in Gas and Liquids Processing**
 - Fouling modes, examples, cases and combat strategies
- 17. Sour Water Stripping and Contamination**
 - Feed contaminants, testing and mitigation strategies
- 18. 7 Deadly Sins of Filtration**
 - Basic principles, challenges, solvents, process optimization
- 19. Amine Units for Carbon Capture**
 - Key factors, challenges, solvents, relevant parameters
- 20. TEG Dehydration Units Basics**
 - Basic concepts of TEG Dehydration, equipment and process details.
- 21. Molsieves Dehydration Units Basics**
 - Basic concepts of Molsieves Dehydration, equipment and process details.



Inlet Separation in Gas Processing Units

Basic information on inlet contaminant types, mitigation approaches and strategies



Amine Units Process Optimization

Key Aspects on Energy Use, Sustainability Considerations and ESG



Foaming in Amine Units: Causes and Mitigation

Key Factors, Troubleshooting, Antifoams & Combat Strategies



7 Critical Factors of Sulfur Removal in Gas Streams

Basic and advanced concepts, critical factors, and important learnings



Feed Contaminants to Processing Facilities

Contaminant Types, Chemistry, Process Impacts & Mitigation Approaches



Amine Unit Equipment and Details

Equipment details, main functions, and setpoints



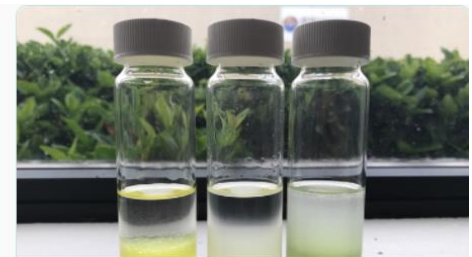
Activated Carbon in Gas Processing Facilities

Basic Principles, Key Aspects, Design and Troubleshooting



Amine and Glycol Unit Filtration

Basic Principles, Key Items, Selection, Design and Troubleshooting



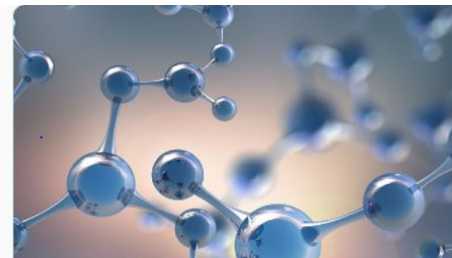
Surfactant-Stabilized Emulsions in Amine Units for LPG Treating

Technical Paper by David Engel, Heath Burns and Scott Williams



Treating NGL with Non-Scavenger Based Chemistry

Sulfur Treating, Pipeline, Terminal and Plant Treating and Color Removal



Amine Unit Chemistry and Solvents

Basic principles of Amine Unit chemistry, different types of solvents, and pros & cons



TechBits

Free technical tips all under 5 minutes