GPA Midstream Technical Committee Charter:

Facility Design, Operation & Maintenance

Chairman  
Mahdi Nouri, Jacobs

Vice-Chair  
Brian Booth, Enterprise Products

- Responsible for all technical matters concerning midstream facilities design, operation, and maintenance (off-shore and on-shore).

- Cover a wide range of topics related to the gas compressor stations, natural gas gathering, treating and processing plants, NGL fractionation, storage, and pump stations, LNG production, and LNG regasification.

- Offer key insights by global experts on continuing study of all phases of natural gas processing facility design including industrial research and strategic studies, feasibility studies, conceptual studies (process evaluation and technology selection), process modeling and optimization, economic studies, process control basic engineering, detail engineering, process safety analysis, safety and environmentally focused solutions, construction management, project management, commissioning, startup, operation, corrosion and material selection, maintenance, plant operators training, troubleshooting and debottlenecking of gas plants.

- Provide a forum at GPA Midstream annual convention for personnel involved in facility design, operation and maintenance of midstream facilities to share and improve practices and procedures.

- Maintain a list of topics identified to consider addressing, such as preventative maintenance programs, plant turnarounds, and vendor alliances.

- Provide technical support and interaction with other GPA Midstream technical sections and outside organizations such as the Chemical Safety Board (CSB), Environmental Protection Agency (EPA), National Fire Protection Association (NFPA) and Occupational Safety and Health Administration (OSHA)

- Member companies assign individuals with appropriate job responsibilities and/or expertise related to this committee’s work.
• Maintains a continuing study of all phases of gas gathering, processing, and NGL fractionation facilities design, operation, and maintenance. This section maintains the following documents and publications:

1. Midstream Facilities Optimization Check Lists
2. Plant Project and Design Checklist
3. Process Control in Gas Processing Facilities Guidelines
4. Emission Control Guidelines
5. Operator Checklists for Select Plant Equipment
6. GPSA Data Book Spreadsheets/Formulas
7. FMI Inspection Guidance
9. O&M Maintenance Practice Guidance
11. Facilities Design Recommended Practices
12. Survey of Recent Plant Spacing Recommendations
13. Facilities Design & Optimization Training Resources List
14. Guidelines for Reapplying Used Plants and Equipment
15. Guide for Performance Testing of Plant Equipment
16. Maintenance Practices by GPA Technical Section M

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