GPA Midstream Technical Committee Charter:

Midstream Industry Asset / Mechanical Integrity (Integrity Committee)

Chairman    Rick Seaver, Williams Co.
Vice-Chair   Jay Ardrey, ONEOK

- Responsible for all technical matters concerning midstream Asset Integrity compliance management including Process Safety Management disciplines for safety and integrity related principles. (off-shore and on-shore).

- Cover a wide range of integrity compliance topics related to the Midstream Industry, which include but is not limited to; gas compressor stations, natural gas gathering, treating and processing plants, NGL fractionation, storage, and pump stations, LNG production, and LNG regasification, NGL Liquids treating and Processing, Heavy Liquids production and Gathering, Oil gathering and separation, associated gas treating and processing.

- Offer key insights by global experts on OSHA 1910.119 Compliance for PSM facility activities.
  1. Provide guidance for general Midstream Industry RAGAGEP (Recommended And Generally Accepted Good Engineering Practices) technical guidelines that focus on Midstream activities and processes.
  2. Expand on the FIP Document created in 2018 through the facilities group to provide guidance to mechanical integrity baseline and onstream management.
     - Systemization of process streams for corrosion monitoring
     - Guidance on CML placement and extent of Baseline and Onstream monitoring.
     - Visual Inspection Criteria
     - Internal Inspection guidelines.
     - Corrosion Under Insulation
     - Vessel Trim Management
     - Buried Piping Focus
     - Deal Leg Management
     - Injection and mix point management
     - Soil to Air interface management.
4. Onstream Engineering guidance for:
   - API-579 Fitness for Service
   - Pipe Stress analysis
   - Cycle fatigue management

5. Quality Control Management Guidance

6. Assets Data Management Guidance
   - Management of asset construction data (As-built info.)
   - Management of field inspection data.
   - Inspection Test Plan Management
   - Integrity Operating Windows
   - Inspection Interval management

7. Risk Based Inspection Management Guidance
   - Process overview modeling
   - Damage mechanism review and applications
   - Probability and Consequence modeling
   - Applications for Similar Service modeling

8. Pressure Safety Valve (PSV) management Guidelines
   - Service and Class identification
   - Testing requirements
   - Inspection intervals

9. General Inspection Techniques
   - Advanced NDT Technologies
   - Visual and Robotic Technologies

10. Mobile Inspection and reporting Technologies
    - Inspection data collection and reporting techniques
    - Electronic data transfer for inspection activities.
    - Mobile technology platforms.

**The above-mentioned areas of interest are a starting catalyst of items the Integrity (Asset / Mechanical Integrity) Committee would be tasked with initiating general guidance documents to represent. It is a large scope of work and will require support from company members engaged in these types of activities within the GPA and GPSA member companies.

- Provide a forum at GPA Midstream annual convention and Fall Conference for personnel involved in Asset Integrity, Mechanical Integrity, Process Safety Management, and maintenance of midstream facility assets to share and improve practices and procedures.

- Maintain a list of guidance topics identified to consider addressing, such as onstream monitoring programs, PSM (Process Safety Management (Occupational Health)) / RMP (Risk Management Plan (Environment and Community)), plant turnarounds, compliance / reliability planning and vendor interfacing.
• Provide technical support and interaction with other GPA Midstream technical sections (Like Facility Committee, and Pipeline Committee) and the GPA Midstream Safety Committee outside organizations such as the American Petroleum Institute (API), National Board of Pressure Vessels (NBIC), Chemical Safety Board (CSB), Environmental Protection Agency (EPA), National Fire Protection Association (NFPA) and Occupational Safety and Health Administration (OSHA) Pipeline Hazardous Material Safety Administration (PHMSA), Department of Transportation (DOT) and Others.

• Member companies assign individuals with appropriate job responsibilities and/or expertise related to this committee’s work.

• Maintains a continuing study of Integrity related principles of natural gas gathering, treating and processing plants, NGL fractionation, storage, and pump stations, LNG production, and LNG regasification, NGL Liquids treating and Processing, Heavy Liquids production and Gathering, Oil gathering and separation, associated gas treating and processing.

• This section maintains the following documents and publications:
  1. To Be Determined by the Committee Group
  2. GPSA Data Book Spreadsheets/Formulas associated to Asset Integrity guidelines.

• This section requests maintaining of the following documents currently being maintained through the Facilities Group:
  1. FMI Inspection Guidance
  3. Guidelines for Reapplying Used Plants and Equipment

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