The Petroleum Industry

Industry Segments

- Exploration and production
- Transportation
- Refining
- Distribution
Exploration and Production

- Exploration and well-site preparation
- Drilling
- Crude oil and gas processing
- Enhanced recovery

Drilling Operations

Drilling Mud
Enhanced Recovery

- Water injection
- Gas injection
- Thermal processes
Emission Control Techniques

- Vent collection system
  - Carbon adsorption
  - Refrigeration condensation
  - Thermal oxidation
- Combustion controls
- Storage tank controls
- Inspection and maintenance

Transportation
Oil and Gas Production

Transportation Emission Sources
- Loading
- Transit
- Marine vessel ballasting operations
- Storage

Emission Control Techniques
- Loading controls
- Vent collection or vapor balance system
  - Carbon adsorption
  - Refrigeration condensation
  - Thermal oxidation
- Product refrigeration
- Inspection and maintenance
- Storage tank controls