

EMISSION CONTROL



Advantages

- Best-in-class safety and health programs
- 12-points programmed safety interlocks
- Source tests and destruction-removal efficiency (DRE) certifications of 99.98% efficiency
- MSS regulatory compliance
- EPA and state permitted thermal oxidizers
- Competitive pricing
- Auxiliary fuel savings
- 24-hour emergency response
- Process flow rates of 500 to 28,000 SCFM
- Advanced technologies
- Engineered, project-specific solutions
- Multiple designs ensure the right “tool” for the job
- Turnkey operations available

USA DeBusk provides specialized processes for collecting and treating flammable and hazardous gases and vapors to eliminate or reduce the release of volatile organic compounds into the atmosphere during vapor and gas freeing operations. These processes control harmful air contaminants using thermal oxidation and combustion, degassing vapor recovery, and carbon adsorption. We analyze the unique parameters of each project to deliver solutions with the highest environmental safety and regulatory compliance while achieving customer objectives.

CAPABILITIES

Emission control can be executed as a standalone procedure or performed simultaneously with other USA DeBusk services to increase safety and speed while reducing turnaround times.

- Unit clearing
- Tank degassing, refills and vapor control
- Pressured vessel and sphere degassing
- Pipeline degassing and commissioning
- Scrubber systems
- MSS (Maintenance Start-up and Shutdown) compliance
- Flare replacement
- Turnaround support: unit depressurization, unit clearing steam and wash out
- Frac tank vapor recovery
- API cleaning and maintenance
- Natural gas line purging



Mobile scrubber system

Mobile thermal oxidation units



Vapor combustion units



Programmed safety interlocks

Each project is custom-engineered to deliver the highest level of safety, environmental protection, regulatory compliance and success in achieving customer objectives. In-depth pre-project planning includes treatability studies and coordination with plant personnel.

FEATURES

- **Mobile Thermal Oxidation Units** – An advanced fleet capable of achieving the highest vapor destruction efficiency while maintaining high-volume throughput.
- **Mobile Scrubber Solutions** – A variety of systems that safely and efficiently remove and neutralize HAPs (hazardous air pollutants), VOCs (volatile organic compounds), and odor-causing emissions. Systems are engineered to satisfy EPA and MSS requirements, as well as state and local regulations.
- **Chemical Media Scrubbers** – Systems that capture and neutralize dangerous compounds such as H₂S, SO₂, NH₃, HCl, and other HAPs.
- **Flare Replacement** – Systems that completely replace or temporarily augment flare capacities during scheduled maintenance. Systems may handle multiple units and/or processes with a single setup while remaining environmentally compliant and ahead of schedule during critical downtimes.
- **Spent Media Solutions** – Services for disposal and management of spent media.
- **Propane Conservation & Cost Savings** – Systems operate from 5 to 15 MMBtu. Blowers, burners and pressure regulators ensure maximum DRE while conserving auxiliary fuel.

FOR SAFETY AND
COMPLIANCE, TRUST THE
DEGASSING EXPERTISE
AND EXPERIENCE OF
USA DEBUSK