

EMISSIONS CONTROL



Advantages

- Dependable safety
- Environmental compliance
- High productivity
- Minimal time on site
- Cost efficiency
- Integrated tank cleaning and degassing
- Vapor combustion with 99.9% DRE
- Provided with other USA DeBusk services

USA DeBusk provides complete emissions control services for refineries, petrochemical plants, terminals, upstream and midstream oil & gas, local municipalities, and commercial entities. We support a full range of planned and emergency applications, including unit turnarounds, remediation and unplanned maintenance projects.

APPLICATIONS

Emissions 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
- Chemical cleaning
- Aboveground storage tank cleaning
- Aboveground storage tank degassing
- Material dewatering and processing
- Pipeline pigging and cleaning
- Pipeline commissioning
- Pressured vessels and sphere degassing
- Pressured vessels and sphere commissioning
- Vessel depressurizations and de-inventories
- AGS tank vent emissions
- Frac tank vapor recovery
- API cleaning and maintenance
- Natural gas line purging
- Flare replacement or augmentation
- Flareless turnarounds



Mobile thermal oxidation units

Vapor combustion unit



Mobile scrubber systems



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.

VAPOR COMBUSTION

USA DeBusk operates an advanced, mobile thermal oxidation fleet capable of achieving the highest vapor destruction efficiency while maintaining high-volume throughput.

- 99.9% DRE (Destruction or Removal Efficiency)
- Processing rates up to 10,000 cfm
- Multiple designs; ensures the “right tool for the job”
- 24-hour emergency response
- Built-in interlocked safety systems
- EPA and state permitted thermal oxidizers
- Meet and exceed the design qualifications for BACT

VAPOR SCRUBBER SYSTEMS

Mobile scrubber solutions include a variety of systems to safely and efficiently remove and neutralize HAPs (hazardous air pollutants), VOCs (volatile organic compounds), and odor-causing emissions. Systems are engineered to satisfy EPA requirements and MSS (Maintenance Start-up and Shutdown), as well as state and local regulations.

- Solutions for VOCs, HAPs, chlorinated hydrocarbons, and other hazardous or odor-causing chemicals
- Chemical media scrubbers designed to capture and neutralize dangerous compounds such as H_2S , SO_2 , NH_3 , HCL, and other HAPs
- Vapor control for tank cleaning, centrifugal sludge processing, dryer applications, and more
- Systems designed for specialty media such as clay, sand, granular carbon, and pelletized media
- Systems meet and exceed BACT guidelines for vapor recovery
- Range of systems to handle projects of any size or scope
- Able to provide saturation curves for all scoped projects
- Disposal and management of spent media available
- May be used in conjunction with thermal oxidizers, or as stand-alone systems
- Mobile systems for fast response for planned projects or emergencies

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