

CHEMICAL CLEANING



Advantages

- Extensive project engineering and planning
- Safe, zero-HMIS chemistries
- Environmentally friendly
- Minimum turnaround time
- Online or offline cleaning
- Purpose-built equipment

USA DeBusk chemical cleaning and decontamination services efficiently prepare vessels and equipment for inspection and maintenance while helping restore optimal operating capacity. USA DeBusk combines innovative chemistries, custom-engineered processes, and purpose-built equipment to complete projects safely, efficiently and cost effectively.

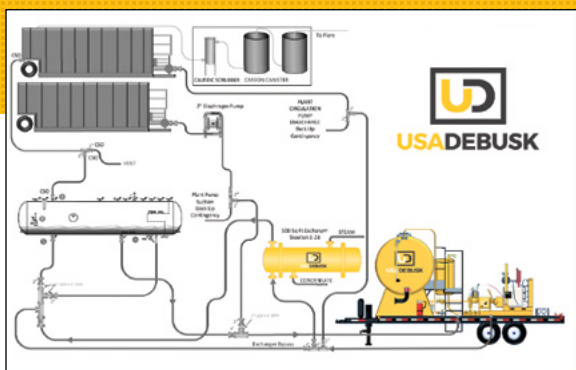
CHEMICAL CLEANING APPLICATIONS

USA DeBusk offers unit clearing and chemical cleaning services for a full range of refinery, petrochemical, and chemical plant process equipment, including:

- Caustic treaters and odor control
- Aboveground storage tanks
- Boilers and cooling water systems
- Exchangers and overhead condensers
- Piping and flare lines
- Small tanks and knockout drums
- Sat gas and sour water strippers
- Quench water systems
- Pre-operational cleaning of new systems

ENGINEERED RESULTS

USA DeBusk custom-engineers projects, analyzing equipment design, metallurgy, operating parameters, type and volume of fouling, and other factors to prepare the most effective procedures. Planning is performed by degreed engineers and experienced specialists who generate detailed procedures with flows, pressures and temperatures, as well as concise engineering drawings with simplified flow diagrams.



Concise engineering drawings and flow diagrams



Custom engineering and planning



Experienced and trained specialists

TECHNIQUES AND CHEMISTRIES

Our cleaning techniques include liquid fill, foaming, vapor phase, chemical circulation, cascading, pig entrainment, steam blow, and other proven procedures. To suit operational requirements, work can be completed online or offline.

Non-hazardous chemical formulations are applied to remove scale and corrosion while mitigating hydrocarbons, LEL, hydrogen sulfide, benzene, pyrophoric iron sulfide, hazardous gases, and other contaminants. USA DeBusk cleaning formulations are safe and environmentally friendly. They have HMIS ratings of zero and are non-toxic, neutral pH, biodegradable, low COD, VOC-free and nonflammable.

SAFE, EXPERIENCED

USA DeBusk has the industry's most skilled chemical-cleaning teams, including:

- Personnel with extensive plant operations supervisory experience
- Supervisors and project managers with decades of chemical cleaning experience
- Experienced, degreed engineers and technical staff to prepare detailed procedures and SFDs (Simplified Flow Diagrams).

USA DeBusk teams are staffed with industry veterans at all levels who know how to get the job done in the shortest amount of time, within budget, and at or above client expectations. Most importantly, USA DeBusk teams have the experience and training to mitigate risk and operate in the safest possible manner.

SAFE, ENVIRONMENTALLY
FRIENDLY SOLUTIONS
THAT CLEAN AND CLEAR
UNITS WITH MINIMAL
TIME AND EXPENSE