



**SAFETY.
SUSTAINABILITY.
SOLUTIONS.**

**VLS Texas Molecular
SOCMA Showcase
02-20-25**

SOCMA

VLS Texas Molecular
Showcase

February 20,, 2025

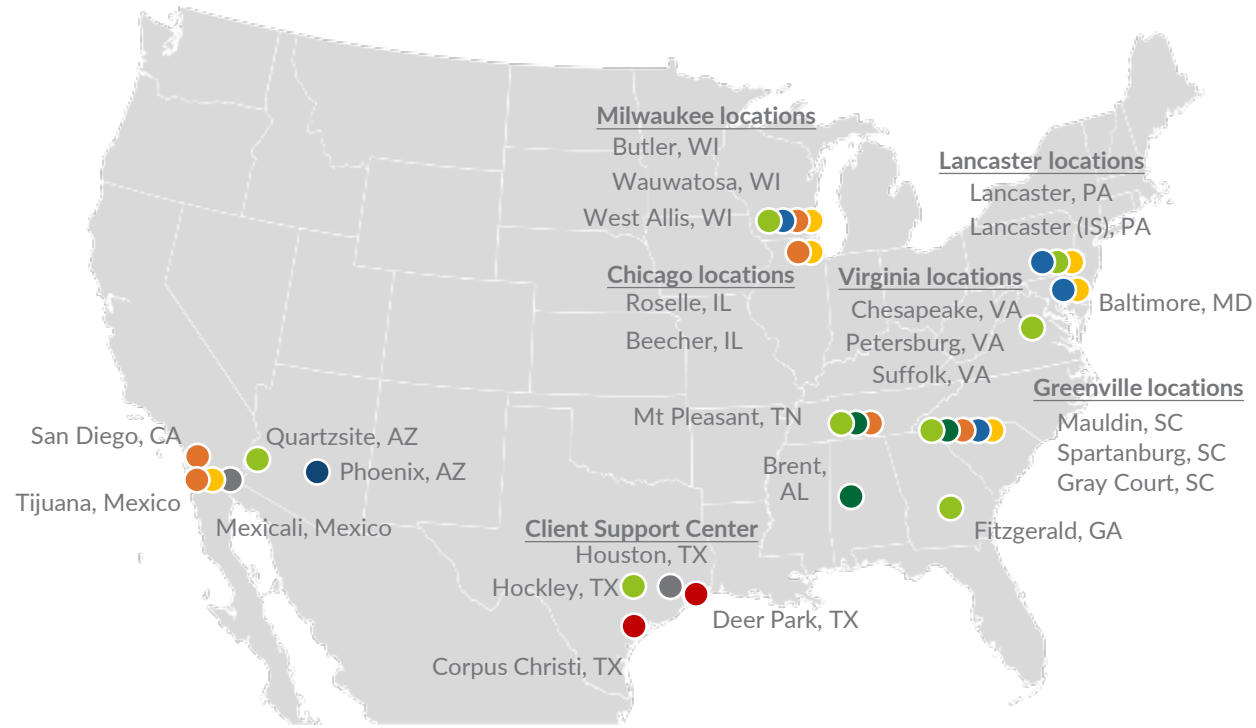




VLS TEXAS MOLECULAR SHOWCASE

- VLS Growth in Facilities and Service
- Recent Acquisitions
- Texas Molecular Special or Unique Capabilities
- PFAS Business Growth
- PFAS Low Risk Solution
- Contact Us to Access our Capacities and Service

VLS LOCATIONS & CAPABILITIES COMPANY MAP



● Non-Hazardous Waste Processing

Mauldin, SC
Spartanburg, SC
Mt Pleasant, TN
Hockley, TX
Lancaster, PA

Quartzsite, AZ
Fitzgerald, GA
Chesapeake, VA
Petersburg, VA
Suffolk, VA

● Engineered Fuel Manufacturing

Gray Court, SC
Mt Pleasant, TN (bulking only)
Brent, AL

● Offices

Houston, TX
Mexicali, Mexico

● Wastewater Treatment

Mauldin, SC
Lancaster, PA
Baltimore, MD

Butler, WI
West Allis, WI

● Industrial Services

Spartanburg, SC
Lancaster, PA
Baltimore, MD
Wauwatosa, WI
San Diego, CA
Port Arthur, TX
Tijuana, Mexico
Beecher, IL

● 10-day Transfer Hub

Spartanburg, SC
San Diego, CA
Roselle, IL
West Allis, WI
**Tijuana, Mexico (equivalent to RCRA Part B)*

● Hazardous Waste Sequestration

Deer Park, TX
Corpus Christi, TX

● Pond Evaporation

Maricopa, AZ

LOCATIONS &
CAPABILITIES
REGIONS MAP





RAILCAR SERVICES

We have earned a reputation in the market for quality, high level of expertise, and ability to handle complex cleaning jobs.

locations

Hockley, TX



Fitzgerald, GA



Baytown, TX



Victoria, TX



Additional locations

- Houston, TX
- Orange, TX
- New Johnsonville, TN
- Memphis, TN
- Knox, IN,
- Geismar, LA
- York, PA
- Hopewell, VA

services

Cleaning, Repair, and Maintenance

specialty cleaning services for difficult-to-clean products, including chemicals, hardened materials, and pressurized gases, and comprehensive services for certified full-service repairs, tank car qualifications, and maintenance using the most environmentally friendly and safe processes in the industry along with railcar repair services.

Kosher cleaning and certification

- AAR certified in valve repair
- NACE lining inspections

Railcar Cleaning Product Capabilities

We clean over 7,500 cars annually with 6,000 permitted products, such as:

- Hardened polymers and resins
- Ethylene Oxide. Hydrofluoric Acid, Chlorin

Railcar Repair and Maintenance Capabilities

Top-to-bottom railcar repairs, heavy repairs, qualifications, exterior and interior painting of tank cars, pressure cars, and hopper cars :

- On-site Services and Mobile Repair Units
- Reconditioning of rail trucks, truck change-out
- Blasting, painting, high bake lines, tank car jackets, underframes
- Quality assurance certifications and NDT inspections

MARINE services

We provide full-service Barge Fabrication, Repair, and Gas Free Services while operating 24 hours per day.

locations

Port Arthur, TX (Repair)



Port Arthur, TX (Gas Free)



Additional sites in Calcasieu, LA, and Sulphur, LA

services

Barge Cleaning and Repair

The property has 20+ acres, 1500' of bulkhead waterfront, and 12' water depth at the bulkhead. VLS Marine can service up to (12) 30k barges at one time.

- BIG JOHN drydock 280' x 92' x 8', 4500 ton capacity
- MISS JENNA drydock 240' x 80' x 8', 3500 ton capacity
- (3) Manitowoc Tower Cranes with 200' reach, 8 ton capacity

Gas Free Services

Gas Free Services has 1500' of bulkhead waterfront with 12' water depth at bulkhead. VLS Gas Free can service up to (16) 30k barges at one time.

- Marine Vapor Control Unit
- LPG Flare
- Nitrogen Purging Strip
- Strip/Blow Dry, Hot/Cold Water Washing

Industrial Services

VLS operates a full-service DOT fleet with tank wash facilities in Port Arthur, Texas, and Sulphur, Louisiana.



RECENT ACQUISITIONS

Chesapeake, Petersburg, and Suffolk, VA

NON HAZ WASTE MANGEMENT AND INDUSTRIAL SERVICES

Services

Located on 10.4 acres near Chesapeake, VA, we offer a range of innovative waste management solutions, including:

- Waste Treatment and Disposal
- Drum Transportation
- Bulk Waste Transportation
- Recycling and Reuse
- Sampling and Characterization
- Soil Excavation and Loading
- Compressed Gas Cylinder Management
- Hazardous Waste
- Environmental Compliance
- Waste Monitoring

Materials Accepted:

- Bioremediation of Petroleum Contaminated Soil
- Spent Absorbent Pads, Rags and Boom
- Non-Hazardous Contaminated Soil and Debris
- Industrial Process Waste
- Special Waste
- Non-Hazardous Investigation Derived Waste (IDW)
- Automotive Service Industry Waste
- Filter Cake
- Spent Abrasive Material
- Dredge Sediment

Permits & Certifications:

- Licensed for non-hazardous waste management, including CERCLA site materials
- Virginia Class A Contractor certification
- Team members are HAZWOPER certified

ABOUT
CHESAPEAKE FACILITY



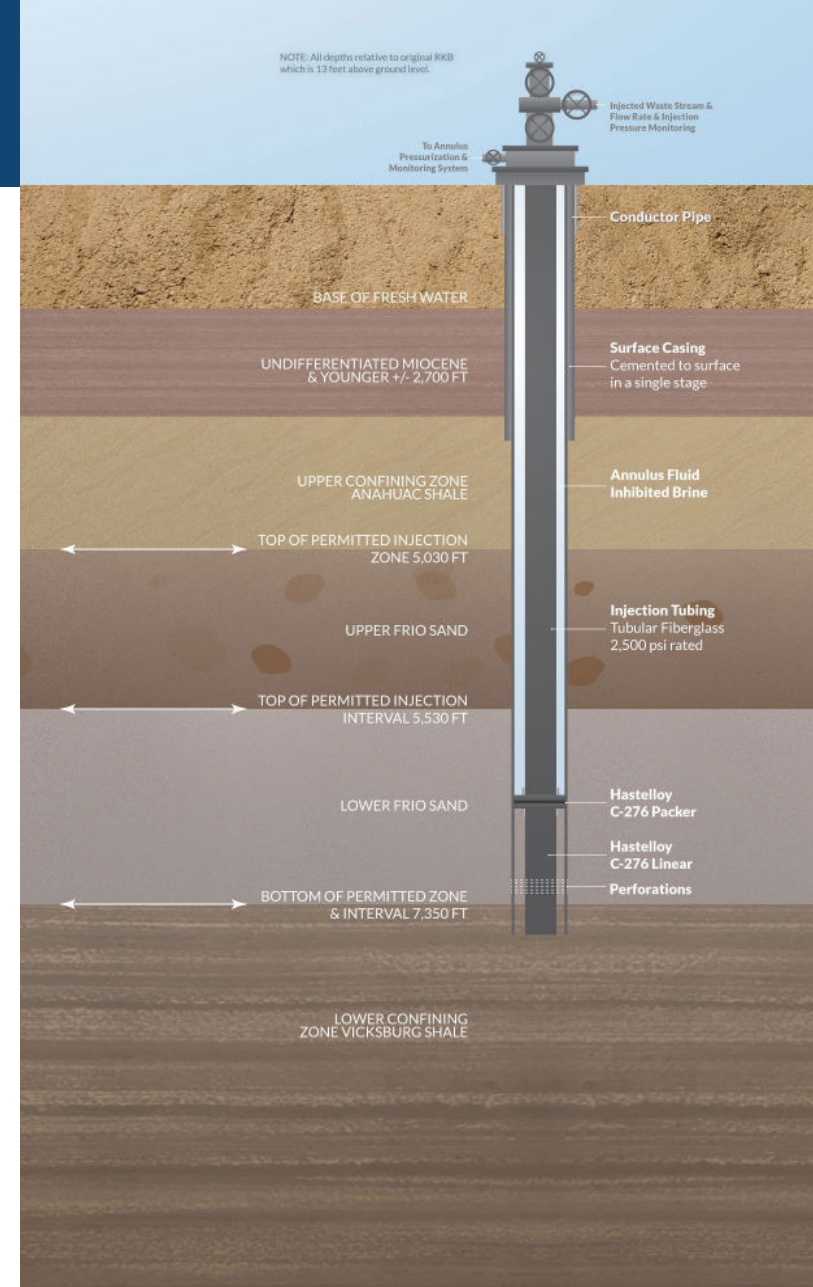
VLS TEXAS MOLECULAR UNIQUE CAPABILITIES



- 24/7/365 Receiving and Customer Service
- Inject over 100,000,000 gallons annually
- **About 80 million gallons of available annual capacity**
- Conservation vents, thermal oxidizer, and back-up flare
- Ability to easily manage large volume projects of 30 loads per day or more in addition to our regular business
- Subpart CC compliant tanks and containment building
- **Accept and inject flammables including D001 High TOC Subcategory, D003 reactive sulfides and cyanides, and pesticides.**
- Manage waters subject to air subparts and NESHAPs: CC (VOC), FF (Benzene), XX (Ethylene Operations), B (Synthetic Organic Chemicals), and GGG (Pharmaceuticals)
- **Serve many chemical companies on a “utility” basis.**
- Emulsion treatment system.
- Batch treatment system
- Emerging constituents of concern like PFAS
- Sulfide treatment system
- Formaldehyde water system
- Most waters we receive are injected within 24 to 48 hours of receipt depending on how many loads we receive each day.
- **New capabilities are in development**

PFAS BUSINESS GROWTH

- Over 150 million gallons of PFAS liquids safely sequestered in our hazardous waste injection wells since 2017.
- PFAS and AFFF received from chemical industry, (including PFAS and AFFF production facilities), refineries, terminals, pipelines, airlines, airports, and a major rail incident.
- PFAS wastewaters, firefighting water, AFFF change outs, reverse osmosis reject, pure AFFF, AFFF debris.
- AFFF change outs to Fluorine Free Foams (F3) are being mandated.
- **RESULT:** Texas Molecular is the leader in off-site management of PFAS liquids.



VLS TEXAS MOLECULAR PFAS LOW RISK SOLUTION

- EPA Guidance Document on commercial disposal lists hazardous waste injection as the technology with the “lowest uncertainty.”
- Meet future requirements today (TRI, CERCLA, Hazardous Waste, TSCA, etc.)
- Stringent requirements of EPA No Migration Petition for hazardous waste sequestration by underground injection.
- ZERO discharges of regulated PFAS, PFAS precursors, and yet to be regulated PFAS.
- Treat all waste as if hazardous waste from the manifest to receiving to filtration to disposal of residues.
- AFFF in totes and drums are processed for injection if possible
- **RESULT.** Clients who place a high value on low-risk solutions ship to us from well over 1000 miles away on a regular or project basis.



VLS TEXAS MOLECULAR SHOWCASE

CONTACT US AT BOOTH 411

Customer Service and Scheduling Line

281-930-2540

customerservice@vlse.com

www.texasmolecular.com or www.vlse.com

Frank Marine

Business Development - PFAS

281-222-6641 (cell)

frank.marine@vlse.com

frank.marine@vlse.com

Jimmy Bracher

VP Sales – Waste Division

713-264-2833

Jimmy.bracher@vlse.com



Safety. Sustainability. Solutions.
WASTE MANAGEMENT. RAILCAR CLEANING. MARINE SERVICES.

www.VLSES.com | 877-861-8588 | 19500 Hwy. 249, Suite 440, Houston, TX 77070 | info@vlses.com