



The next generation of "certified" VOC remediation



NanoVapor Fuels Group offers a unique combination of vapor suppression methods and vapor absorption during the degassing process of large storage tanks. The results of this unique approach are ZERO EMISSIONS in less time. Our unique technologies can put your assets back on line faster than all other methods.

NO VOC - NO NOX - NO CO2

Eliminate Your Need for Activated Charcoal

Our Passive Units replace activated charcoal with our highly effective and easy to use chemistry. Systems are low maintenance.

Certified

The NanoVapor vapor absorption unit (Patented) successfully demonstrated compliance with Title 30, Texas Administrative Code, Chapter 115, (Control of Air Pollution from Volatile Organic Compounds).

Your Benefits

Compliance with TCEQ 1/1/11 regulations. Fast completion time. NOT more expensive than current industry methods. Our systems do not generate heat or flame.

NanoVapor vs. Stack Flares Combustion Engines & Thermal		
	Competition	NanoVapor VAS
Destructive	Yes	No
Generates heat	Yes	No
Emissions (VOC, NOX, SO ₂ , GHG)	Yes	No
Requires secondary treatment by activated carbon (adsorption)	Yes	No
Intensive energy usage	Yes	No
Has met new regulatory requirements	N/A	Yes
Recovers fuel	No	Yes
Produce carbon, NOX, CO ₂ , and VOC3 credits	No	Yes
Rapid recovery	No	Yes

NanoVapor Offers VOC CONTROLS for:

- Tank Degassing
- Floating Roof Storage Tanks - Normal Operation
- Frac Tanks
- Vacuum Trucks
- Oil Field Collection Tanks
- Ship-to-Shore Terminals
- Refilling Tanks
- Ship-to-Ship Transfer
- Cleaning Tanks
- Barges
- Military Fuel Applications
- Rail Cars
- Plane Fuel Cells

Zero Emission Process

Our recirculation system (absorption) is attached to the storage tank through two points, an intake and return line.

As vapor is drawn from the tank it is forced through a series of towers, where it contacts our chemistry and the VOCs are captured for future use.

As our system recycles, we return the VOCs not captured to the tank. Most of the returning VOCs will be captured during the next pass.

Fast Half the time of competitors

NO FLAMES

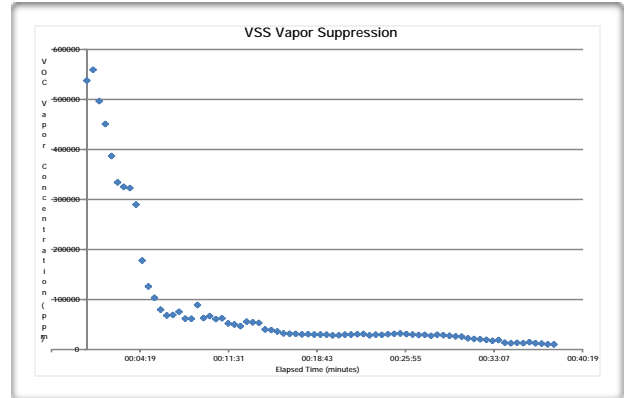
NO High Temperatures

Improved Safety

NanoVapor Vapor Suppression System

- Suppresses vapor generation for C5-C17
- New system deployable in large and small fuel tanks
- FAA / DOT approved
- Forms molecular barrier
- Maintains barrier for long periods of time
- If barrier is broken, it reforms a new barrier

By stopping the vapor growth early, less product is lost to vapors and there is less of a VOC problem.



High Performance: In a vessel containing refined gasoline, a reduction in VOC concentration from 550,000ppm to roughly 10,000ppm was achieved over a period of 40 minutes, at a temperature of 39C°. Longer period of exposure shows ppm concentrations continue on a declining curve.

NanoVapor Fuels Group, Inc.
P.O. Box 2724
Cypress, Texas 77410-2724
Phone: 832.220.6211

CEO
jim@nanovapor.com

President & CFO
gary@nanovapor.com