



Nitrogen Blanketing System

Corrosion Control & Fuel Quality Preservation



The NBS is designed to prevent the formation of corrosive, damaging conditions in commercial and other long term fuel storage tanks such as those used for generators. The system is a corrosion control and fuel quality preservation method that prevents the growth of bacteria, molds, and yeasts that starts in the ullage of tanks. These biologicals produce acidic deposits that cause serious damage and failures to tank equipment.

Although corrosive conditions form in the ullage of tanks, the results spread throughout the tank and the entire fueling system. The acid that is created in the ullage is a result of bacterial growth. The acidic vapor created by the bacteria is pressurized every time fuel is dropped into the tank. The acidic vapor makes it way into sumps directly and through conduit and equipment in the sump. This vapor makes its way onto every surface in the ullage, depositing acidic moisture as it condenses on the ullage surfaces.

INTRINSICALLY SAFE ENVIRONMENTAL CORROSION CONTROL METHOD

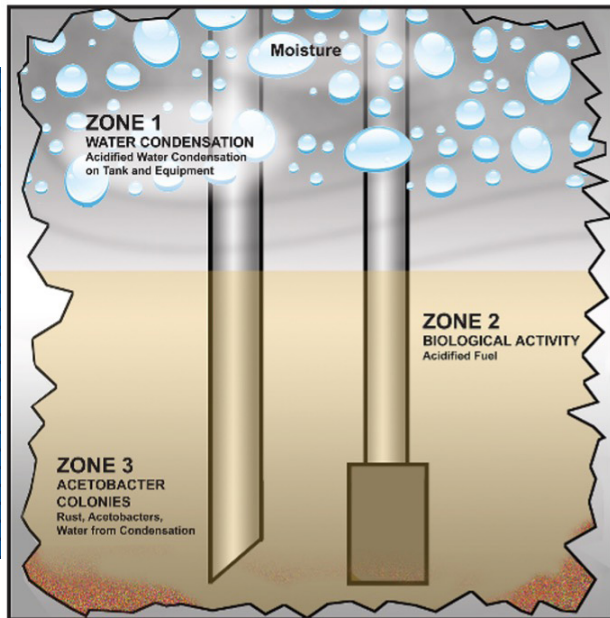
Features:

- Commercial/Industrial/Fleet
 - Reduce Maintenance Costs
 - Eliminate Fugitive Emissions
- Gensets
 - Protect Mission Critical Fueling Equipment from Degradation
 - Prevent a Catastrophic Failure
- Prevent Corrosion
- Maintain Fuel Quality
- Reduce or Eliminate Risks
 - Ignition of Vent Stack Vapors
 - Direct Ignition by Electrical Malfunction or Manual Tank Gauging Static Discharge
 - Nozzle Fire Flashback

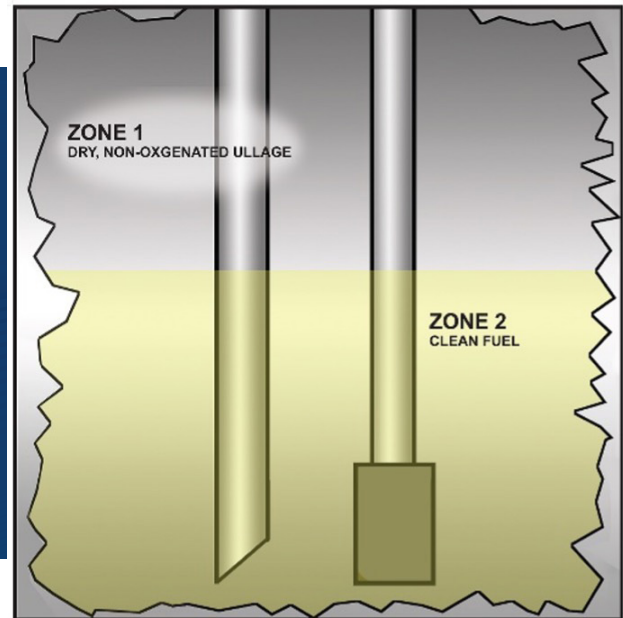
FLOW RATES OVER 200 GPM | APPLICATIONS: 3&5 HORSEPOWER SUBMERSIBLE PUMPS

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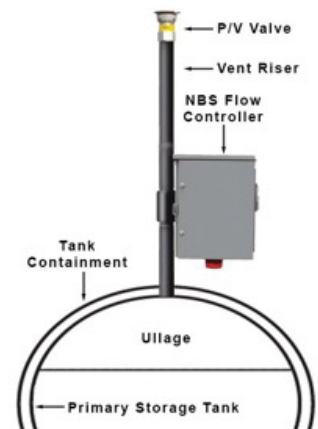
BEFORE NBS



AFTER NBS

Small particles fouling equipment has dire consequences on critical infrastructure like the emergency gensets that are at virtually every hospital, data center, bank and insurance company processing centers, cell towers, prisons, federal, state, and city municipal buildings, and many more types of buildings and systems have this type of emergency power. Included in this is industry like mining and remote cities/villages that provide primary or backup power to remote sites.

Water in fuels is a problem and others offer filtration problems. Water in the fuel, or water at the bottom of the tank is not the majority of the problem. **Water filtration does nothing to prevent the root cause.** The NBS prevents moisture from entering the tank in the first place. NBS is the only option on the market that provides a comprehensive solution. NBS prevents acidity from forming in the ullage, which prevents damage to equipment in the headspace of the tank. By eliminating acidic vapors in the ullage, the system also prevents acidified vapors from entering sumps. Eliminating degradation in the ullage prevents particulates from the headspace of the tank from falling to the tank bottom and forming colonies and keeps acidified water in the headspace of the tank from running into the fuel and acidifying the fuel.



THE VAPORLESS NBS PROVIDES THE PROTECTION YOUR SYSTEM NEEDS

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