

# APPLICATIONS

## PUMPS



Photos courtesy of NuTech Environmental, Denver, Colorado

### OPERATION:

Many methods have been used to control industrial waste odors, but none so effective and easy to use as this CAT PUMP powered high pressure fogging concept.

Current methods include masking which simply covers one odor with another and often make the combination worse than the original; oxidation which is effective, but requires expensive scrubbing equipment and considerable reaction time; carbon absorption which also requires costly equipment and maintenance, plus the difficult disposal of hazardous wasted carbon.

NuTech's new Vapor Phase Technology offers an effective and affordable alternative to these conventional methods of odor control. NuTech uses the published neutralization techniques listed in the Water Pollution Control Federation.

Manual of Practice #22, specifically the techniques of construction, combining and interference. They have developed specially formulated compounds to work with a high pressure fogging system to economically and effectively neutralize industrial waste odors.

This system is extremely flexible to accommodate the individual location and odor control needs. Each system includes a high pressure, triple filter, patented anti-drip swivel nozzles and specially sized and fitted hose to meet the specific dimensions of each installation.

## WASTE WATER ODOR CONTROL

File No. 31

Section 9

### PROBLEM:

Traditional methods for odor control require large capital expenditures for equipment with significant operating costs and often, poor overall effectiveness.

### SOLUTION:

Offer a unique high pressure fogging system using environmentally safe neutralizing agents to convert offensive industrial waste odors into odorless solubles with minimal costs and maximum efficiency.

### SPECIFICATIONS: (depends on size of site)

CAT PUMPS Model .....2SF20E or 1051  
 Pressure .....800 PSI/1000 PSI  
 Flow ..... 2 GPM/10 GPM  
 Temperature ..... Ambient  
 Fluid .....Water and Chemical Formula  
 Duty Cycle .....Continuous  
 Drive .....2 H.P. or 15 H.P. Electric

### BENEFITS:

- Reduces capital expenditures.
- Lowers chemical and operating costs.
- Proven fast, broad range effectiveness.
- Easy installation and operation.
- No hazardous waste.



10 micron fog droplets are delivered around the perimeter of the site. Only natural neutralizing agents are used, which will not harm the environment, even if misused.

*“Customer confidence is our greatest asset”*

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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*The Pump with "Nine Lives"*

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