

THE SMART
SOLUTION!

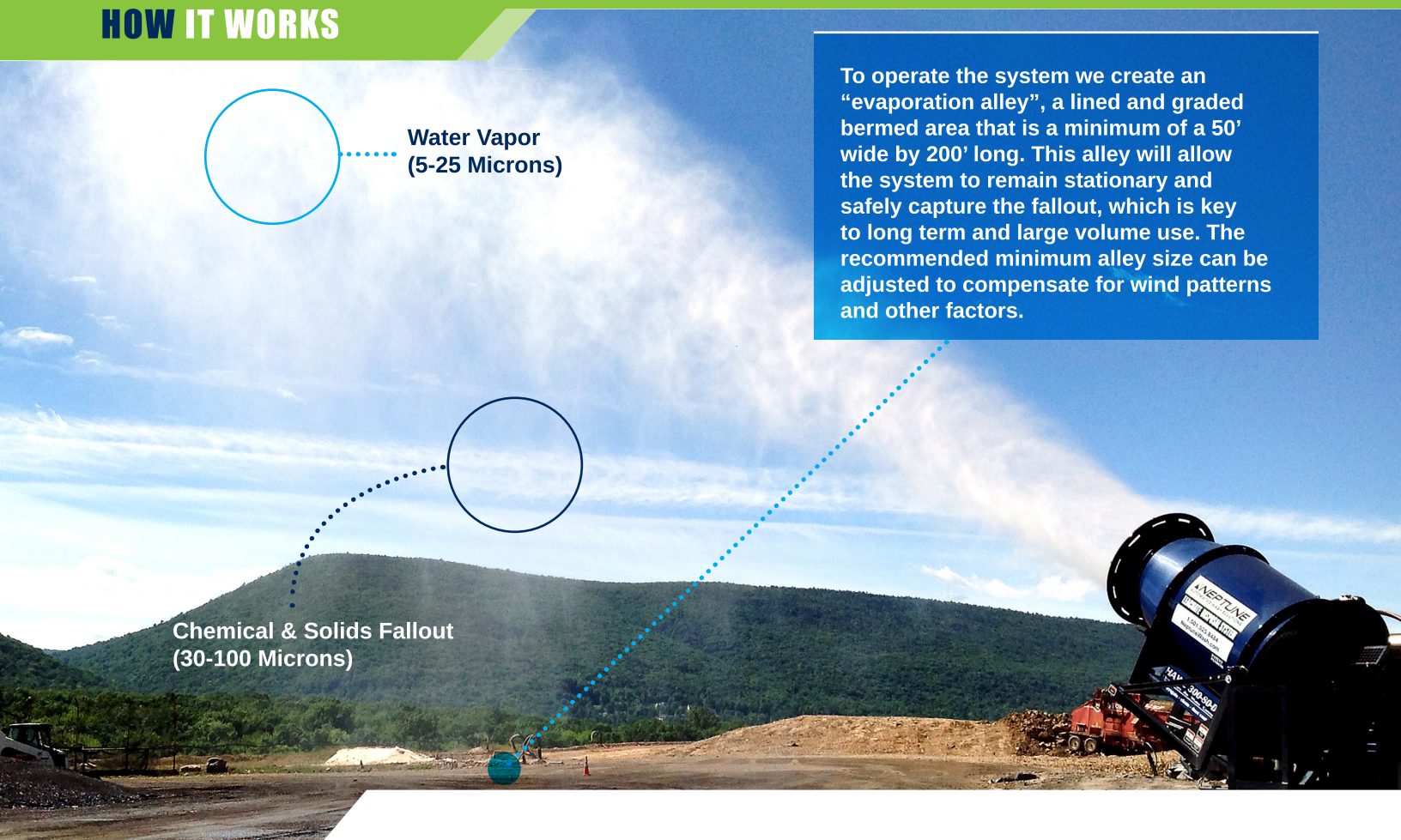
Lowest Cost Solution for Leachate Disposal at Landfills

- Separates water component from contaminants by aerosolization
- May also be used for slope irrigation, dust suppression & odor control
- Skid mounted with optional on board generator
- Other sizes and configurations are available

**SEE IT IN
ACTION:**
[https://vimeo.com/
lightpro/review/
137086028/
aea14b1596](https://vimeo.com/lightpro/review/137086028/aea14b1596)



HOW IT WORKS



To operate the system we create an “evaporation alley”, a lined and graded bermed area that is a minimum of a 50’ wide by 200’ long. This alley will allow the system to remain stationary and safely capture the fallout, which is key to long term and large volume use. The recommended minimum alley size can be adjusted to compensate for wind patterns and other factors.

SYSTEM DETAILS

The **Neptune Evaporator** relies on a cyclonic air stream versus fixed combustion to convert waste water or leachate into a controllable aerosol.

The Neptune Evaporator aerosolizes the waste water and as a result of the process the particles contained in the water within the size range of 30-100 microns “fall out”. The large particles settle in the first 100 to 125 feet from the evaporator and contain all the chemicals, organic materials and solids. The water particles, which are measured at 5 to 25 microns, evaporate immediately and dissipate into the atmosphere.

The fallout is easily controlled by directing it into a designated area, either over a lined pond or over any area with a non-permeable liner.

All fallout can be captured and returned to catchment tanks for further dewatering through the system. The volume of water is reduced by 95% each cycle.

The Neptune Leachate Evaporator relies on the long proven science of aerosolization to cost effectively dispose of leachate on your site. With an operating cost of less than 2 cents a gallon, the process of disposing of leachate by on site evaporation is an effective and affordable method of compliance.

As a further benefit, one highly dependable and cost effective system can be utilized in multiple areas for various operational uses by a single skilled operator.