Solid Distillation System (SDS)

About SDS Technology

TRADEBE's Solids Distillation System (SDS), is a positive step forward in sustainable waste recycling technology.

SDS offers generators an effective and cost-efficient method for recycling organic solid waste that might otherwise be incinerated or landfilled.

Before SDS, most haz solids were incinerated in a process designed to destroy the hazardous organic content by driving off volatiles and burning excess gases.

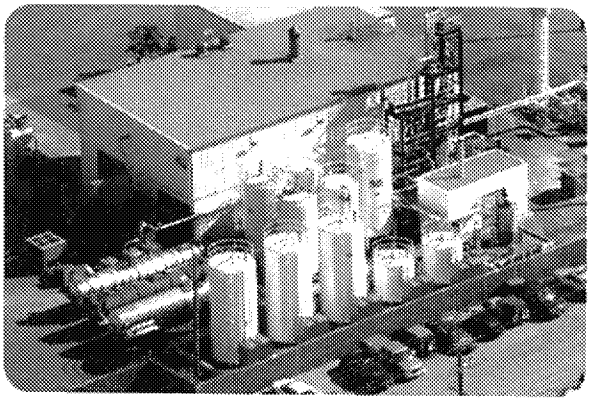
However, SDS extracts the organics from Hazardous waste solids and transforms them in to reusable products.

SDS recycled products are used now in numerous industries throughout the US in place of virgin chemicals.

Wastes suitable for SDS include:

Paints, Resins, Polymers, Solvent-soaked Rags, and other Organic Debris

SDS is a multi-stage process including waste container conveyance and shredding, indirect thermal desorption, scrap metal washing and recycling, organic and water phase separation, and distillation of recovered organic liquids.

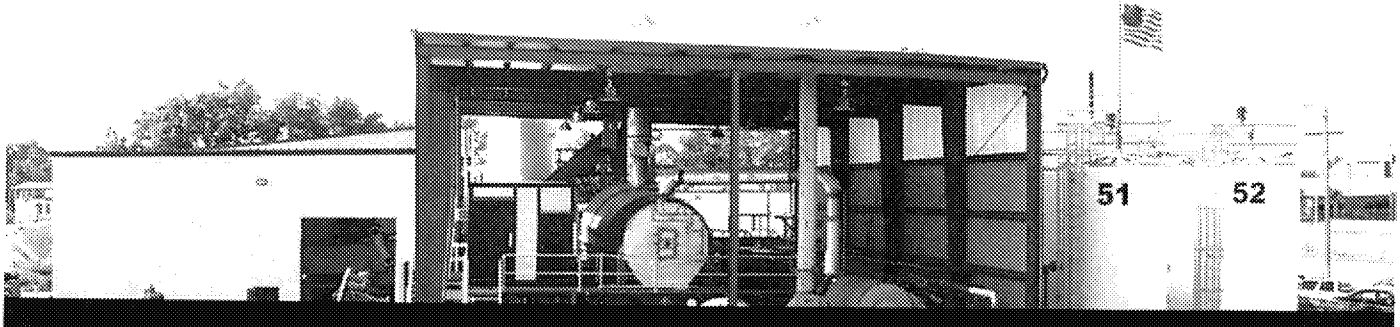


SDS II

TRADEBE introduced the original SDS technology in 2004 to address the growing need for recycling of hazardous wastes.

Due to growing demands of the industrial waste market, during 2014-2015, TRADEBE designed and built a second SDS unit, SDS2, SDS2 offers the same benefits as the original

SDS unit but with twice the capacity, improved reclaimed product quality, increased reliability as well as improved safety standards.



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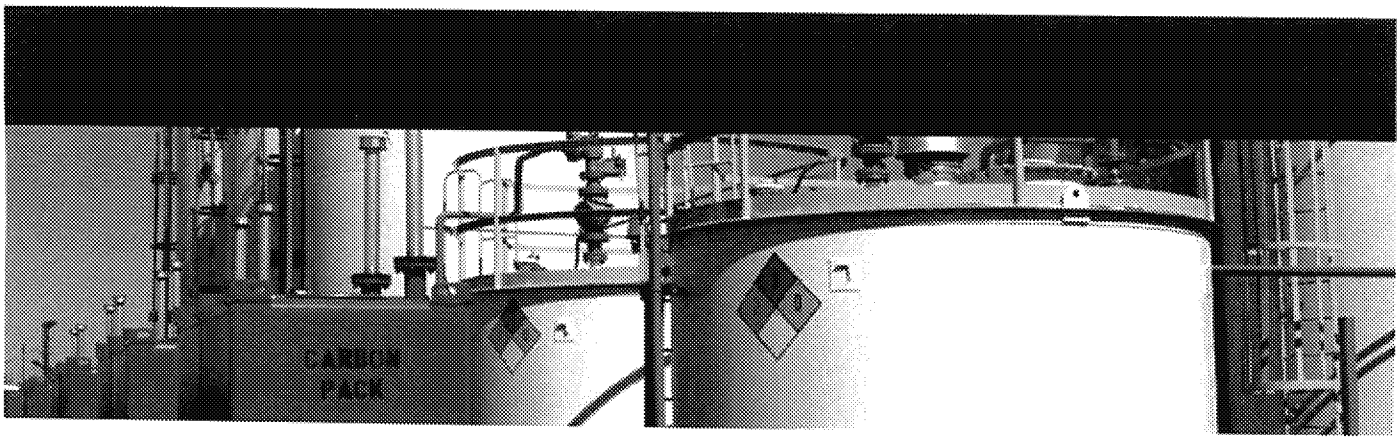
A Recycling and Energy Recovery company



SDS || Benefits

True Recycling Technology
The hazardous waste processed through SDS is recycled thereby receiving a waste management code of H020, (distillation and recovery); and may be eligible for recycling credits with your state regulatory agency.

Versatility
Waste can be received in any size container - from a pint to a cubic yard box as well as metal, plastic, or riber drums. This eliminates costly and potentially unsafe handling and repackaging of wastes at your plant.

Reliability
With the addition of the SDS2 unit, the SDS total production capacity has doubled from 12,000 tons per year to 24,000 tons per year. Also, improved component design such as the dryer chamber, gas line, and vapor recovery unit will reduce maintenancedowntime and increase reliability.

Safety
SDS2 improved drum handling, lower risk of oxygen entering system, reduced fugitive air emissions and improve overall recovery.

SDS Stats

Scrap Metal Reclaimed : 1 Ton
Solvents for Reuse : 1 Ton
Haz Waste Recyled : 120,000 Tons

SDS || Facts

- SDS can effectively process virtually any solid organic hazardous waste.
- SDS prevents pullution while promoting recycling,reclamation and reuse.
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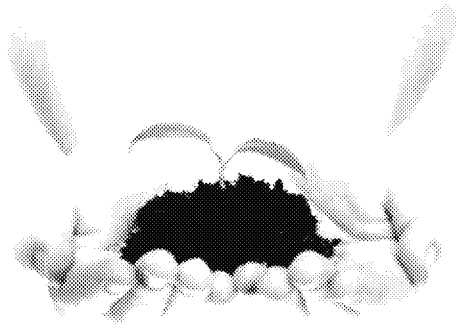
- SDS reclaims valuable constituents found in solid hazardous waste and reduces the demand for virgin chemicals.
- SDS eliminates the release of hazardous constituents in to the atmosphere.
- SDS conserves energy while keeping waste out of the environment.



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