

# SOLIDS 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 disposed of.

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

Alternatively, SDS extracts the organics from hazardous waste solids to recover a viable product.

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

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

**Wastes suitable for SDS include:**

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



TRADEBE's SDS operations in East Chicago, IN

## SDS<sup>2</sup>

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, TRADEBE designed and built a second SDS unit during 2014-2015.

This additional unit is SDS<sup>2</sup>.

**SDS<sup>2</sup> enhanced technology, with new safety standards, offers the same environmental benefits as the original SDS unit; with twice the capacity to produce a quality reclaimed product.**



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*Sustainability at Work*

# SDS<sup>2</sup> - Sustainable Waste Recycling



## SDS<sup>2</sup> Benefits

### True Recycling Technology

The hazardous waste processed through SDS is recycled - receiving the waste management handling code H020, Solvents Recovery (distillation, extraction); and may be eligible for recycling credits with state regulatory agencies.

### Versatility

Waste can be received in various size containers from small cans to cubic yard boxes. Metal, plastic and fiber drums are processed with equal efficiency, eliminating costly and potentially unsafe handling and repackaging on site at generator locations.

### Reliability

With the addition of the SDS<sup>2</sup> unit, the SDS total production capacity has increased from 12,000 tons per year to 36,000 tons per year.



## SDS<sup>2</sup> Facts

- SDS promotes recycling, reclamation and reuse.
- SDS reclaims valuable constituents found in solid hazardous waste and reduces the demand for virgin chemicals.
- SDS conserves energy while keeping waste out of the environment.



## SDS Annual Stats

Scrap Metal Reclaimed : 7,000+ Tons  
Solvents Recycled for Reuse : 2,750,000+ Gals  
SDS Haz Waste Received & Processed : 36,000+ Tons

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