

## ***The Eight Steps to Proper Soil Remediation***

by John L. Sullivan

Southwest Soil Remediation, Ltd. is a Houston-based PST soil recycling facility. SSR is approved by the TNRCC as a Class A treatment facility allowed to accept and recycle non-hazardous petroleum-contaminated soils. SSR is also registered as a Class B treatment facility and is capable of mobilizing and recycling materials on a client's location.

Recycling is an approved technol-

ogy under Subchapter K of TAC 334. Petroleum-contaminated soils are recycled into stabilized base and construction materials. SSR uses an eight-stage process that consists of the following:

1. Waste profiling and waste approval
2. Material movement
3. Materials handling - upon receipt

4. Pre-recycling analyses
5. Recycling
6. Post-recycling analyses
7. Storage and placement of recycled materials
8. Compliance records keeping

Soil recycling may be a cost-effective remediation alternative to landfill disposal.

### **Biographical Sketch**

John L. Sullivan majored in Chemical Engineering with a minor in Mechanical Engineering at John Hopkins University and McCoy College in Baltimore, Maryland. As President of Petreo International, Inc., he developed

the technology necessary to recycle, with methods environmentally safe and economically sound, industrial and chemical byproducts into fertilizers and chemical feedstocks. At Southwest Soil Remediation, Mr. Sullivan developed and implemented the

method of recycling hydrocarbon-contaminated soil into cement and/or asphalt-stabilized base material. He developed medium-temperature (up to 1,400°F) thermal desorption equipment and its application to various hydrocarbon-contaminated soils.