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DA12

Projet d'agrandissement du lieu d'enfouissement
sanitaire de Sainte-Sophie

Sainte-Sophie

6212-03-105

POSI-SHELL®



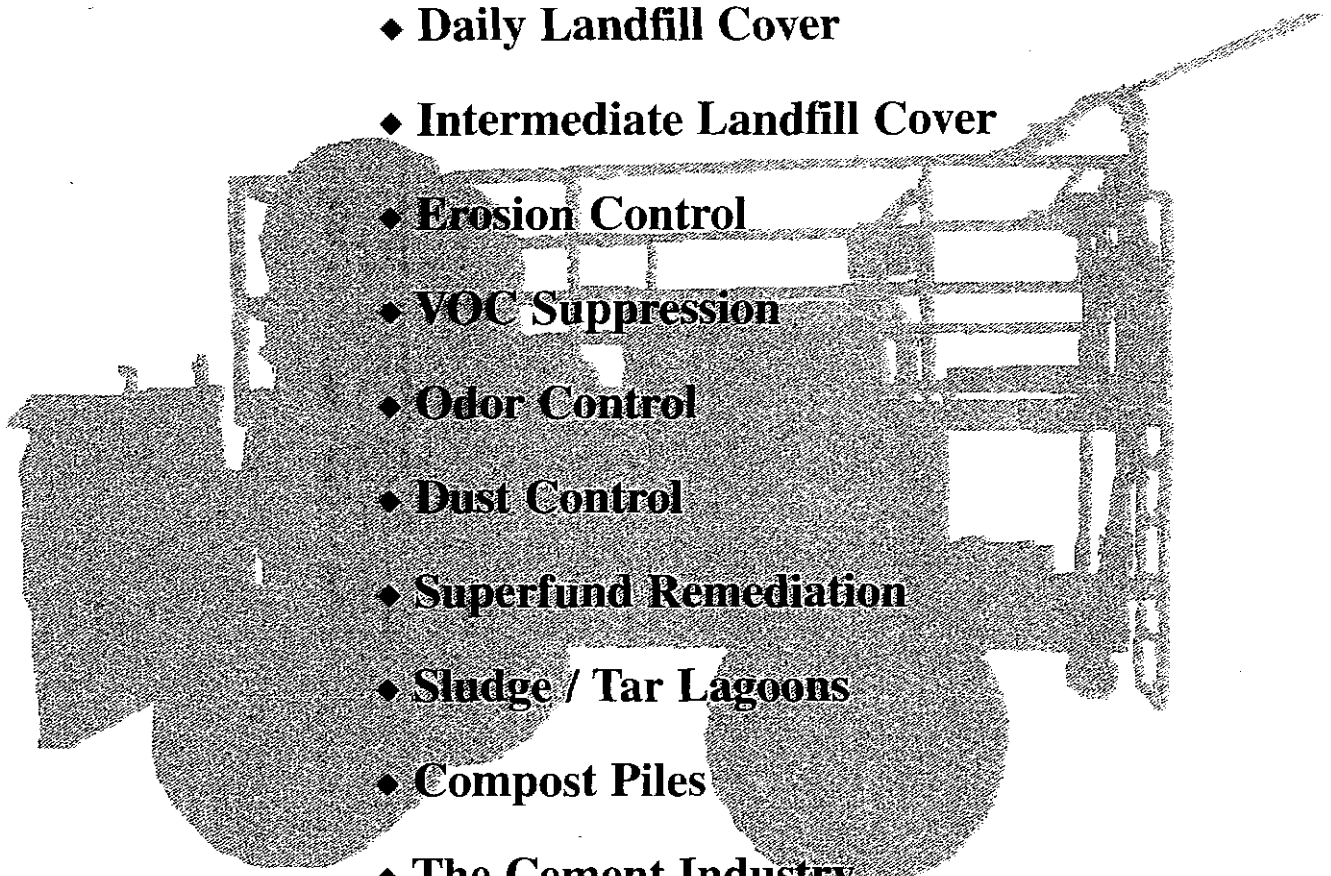
POSI-SHELL™ solves problems!

The Posi-Shell® Cover System is a cement mortar covering used for a wide variety of short and long term protective cover requirements. The Posi-Shell system is an easy to use, safe, cost effective alternative cover. Posi-Shell has been applied from Eastern Canada to Southern California in various weather and surface conditions.

Developed by Landfill Service Corporation as an innovative, zero volume, synthetic cover, Posi-Shell provides a superior cover that outperforms traditional soil layering methods and other less durable alternative covers.

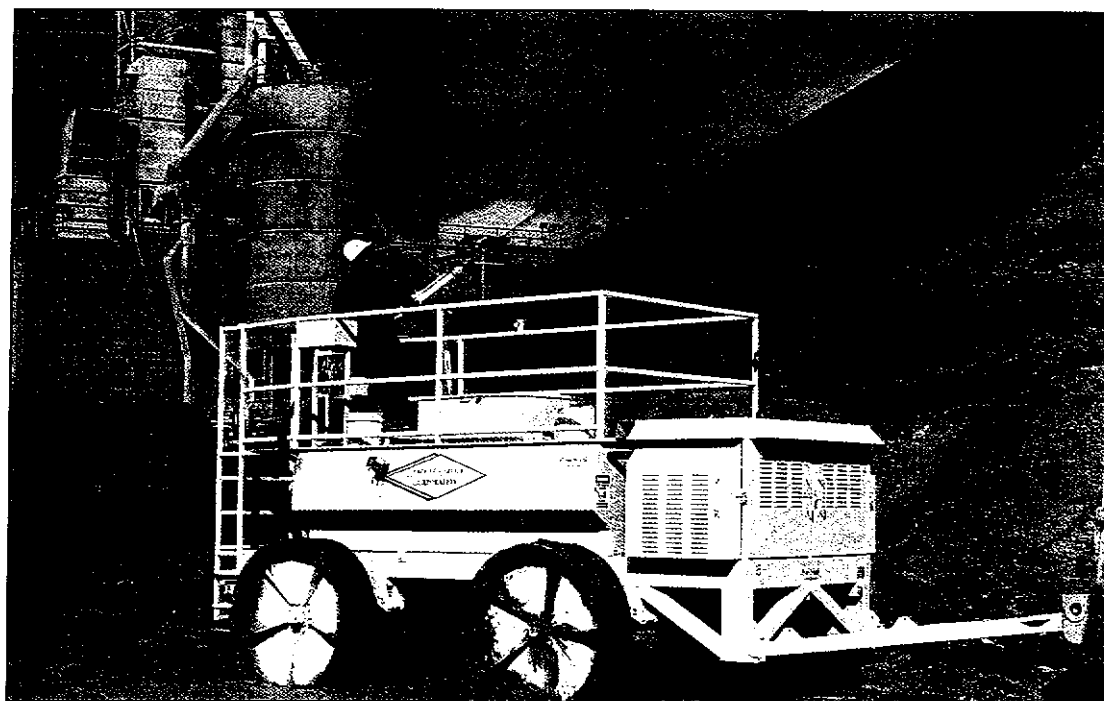
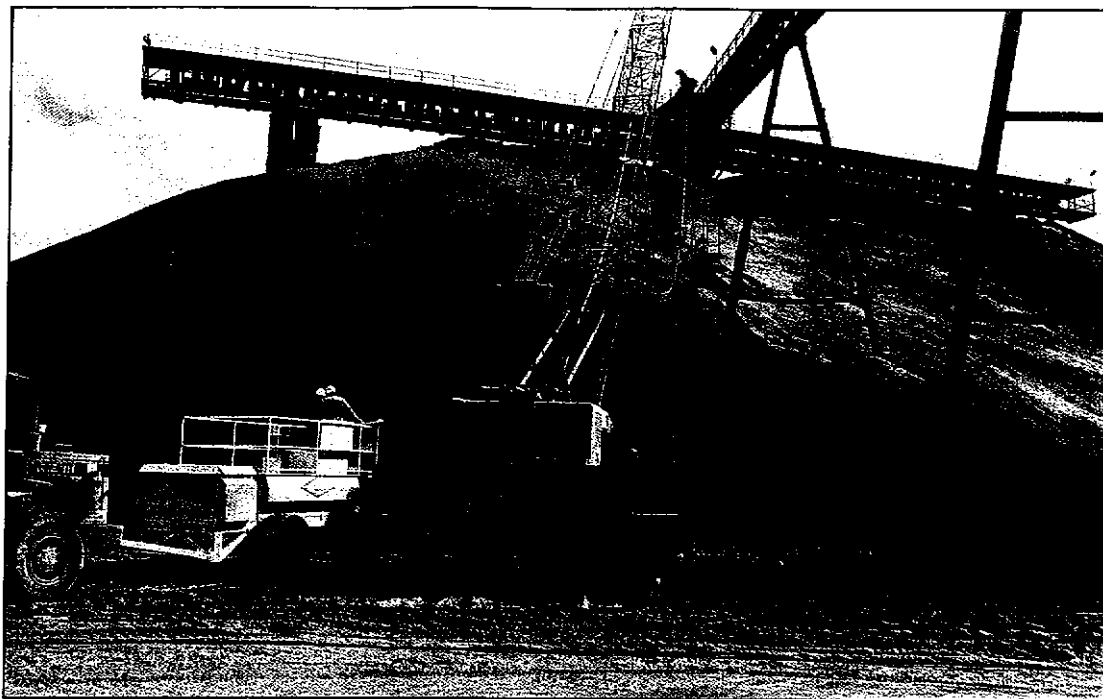
Typical Applications

- ◆ **Daily Landfill Cover**
- ◆ **Intermediate Landfill Cover**
- ◆ **Erosion Control**
- ◆ **VOC Suppression**
- ◆ **Odor Control**
- ◆ **Dust Control**
- ◆ **Superfund Remediation**
- ◆ **Sludge / Tar Lagoons**
- ◆ **Compost Piles**
- ◆ **The Cement Industry**
- ◆ **Coal Pile Cover**
- ◆ **The Mining Industry**



POSI-SHELL® COVER SYSTEM

CEMENT CLINKER PILES



A special Posi-Shell® formulation using Portland cement as the mineral binder has been successfully applied at numerous outdoor cement clinker storage piles for protective coating to eliminate rainwater infiltration. Protection of these piles with the Posi-Shell® Cover has resulted in large savings for the cement producers.



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POSI-SHELL® COVER SYSTEM

EROSION CONTROL



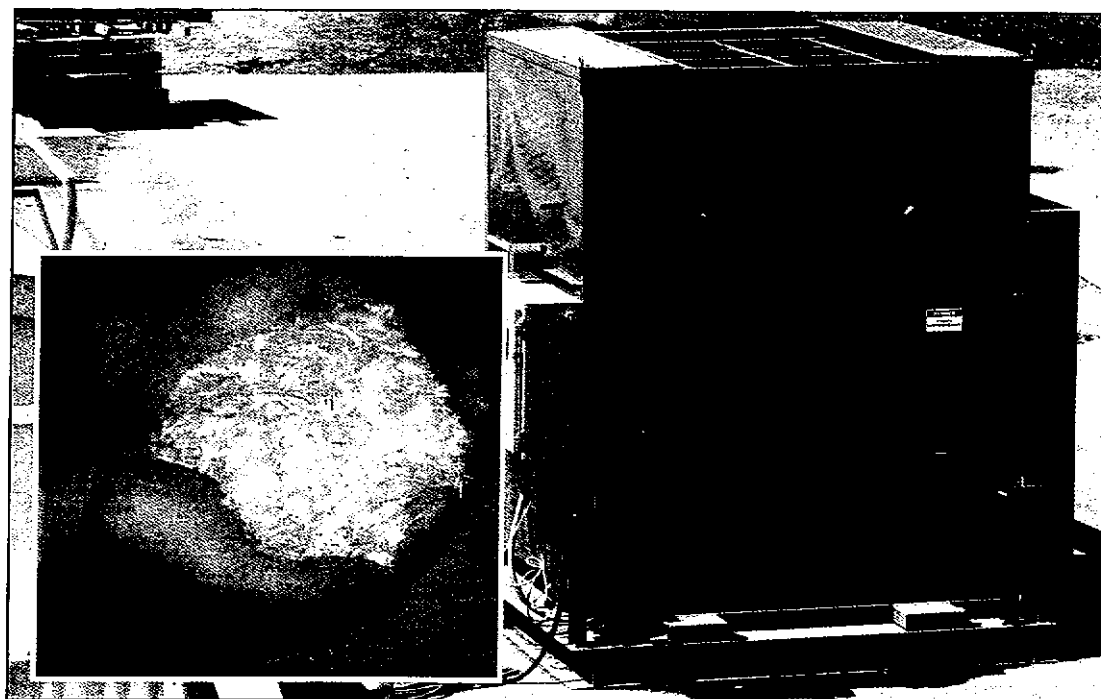
Posi-Shell® Cover provides a hard-shell coating to effectively protect against wind and water erosion. Typical applications are on intermediate and preclosure areas of landfills and other large sloping soil surfaces.



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POSI-SHELL® COVER SYSTEM

CUSTOM BLENDED BINDERS AND FIBERS

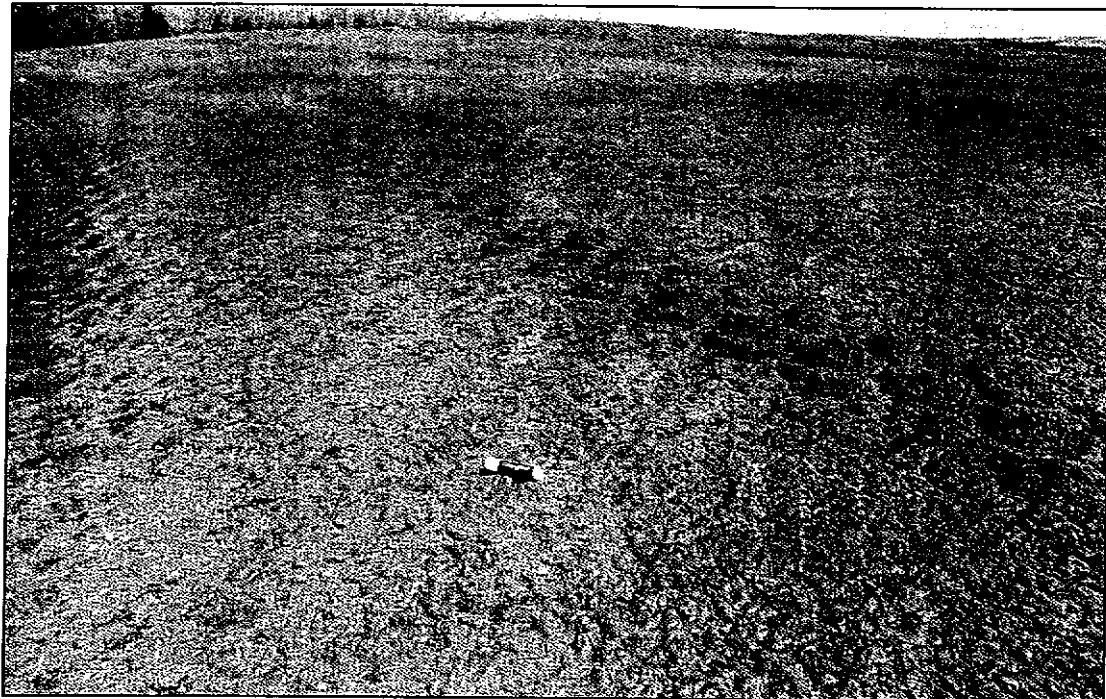


Landfill Service Corporation has the technology to produce custom-blended, cementitious mineral binders and special fiber mixtures required to suit specific projects. Typical projects have involved various combinations of cements, flyashes, lime by-products, latex materials and cellulose and plastic fibers.



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ASH OR FLYASH MONOFILL



Cementitious Posi-Shell® spray-on cover eliminates the need to physically traverse wet or unstable piles of ash material. An effective long term cover that can be quickly and easily placed over these materials while eliminating the operational difficulties and high-volume consumption related to soil covers.



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CONTAMINATED SOIL PILES



Posi-Shell® Cover is very effective in the prevention of dust migration and water erosion from outdoor contaminated soil piles. The cementitious coating protects these piles from high winds and rainwater infiltration, thus eliminating the cost of subsequent remediation activities.

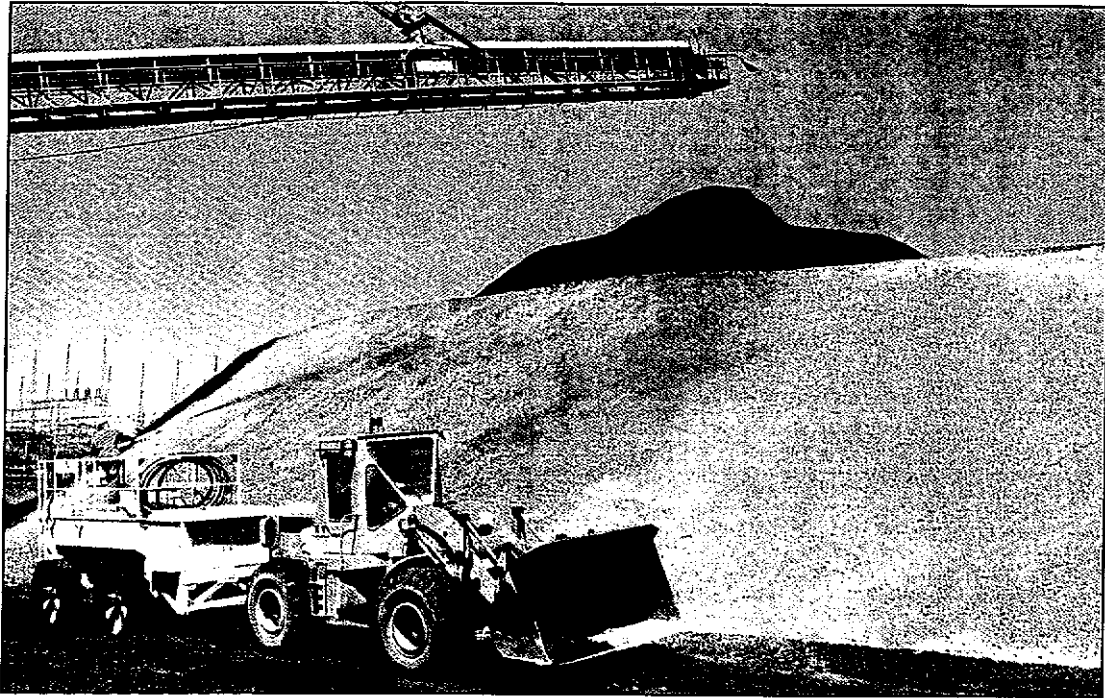


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POSI-SHELL® COVER SYSTEM

COAL PILES



Posi-Shell® Cover has been effectively utilized to protect outdoor coal piles from water infiltration and to eliminate windblown dust from the piles. Economic benefits include increased BTU value and elimination of complaints and costs related to cleanup of offsite coal dust.



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SLUDGE OR TAR LAGOONS



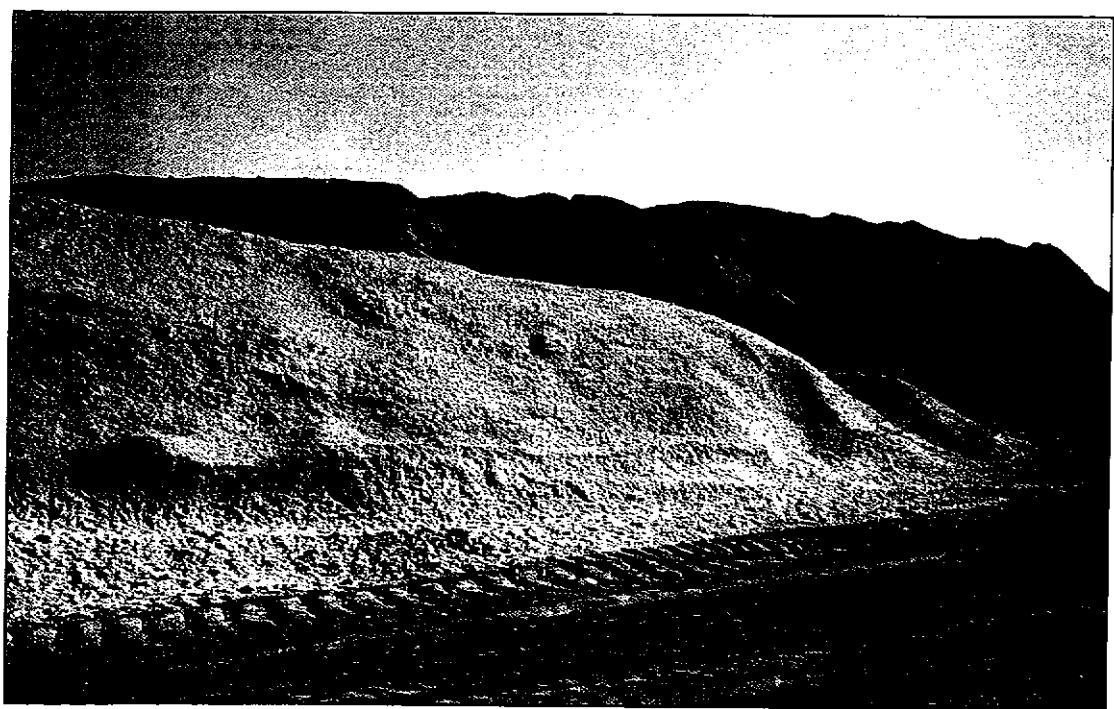
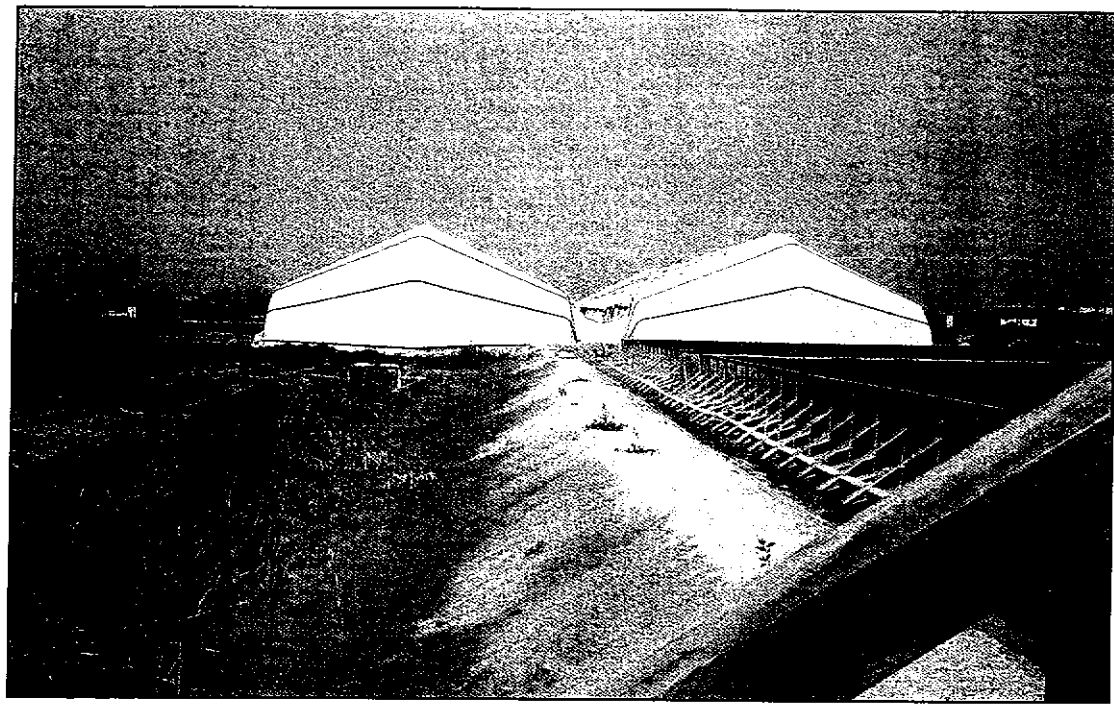
Posi-Shell® Cover is uniquely suited to coat sludge or tar lagoons which require application from the outside perimeter of the lagoon. This procedure controls the emission of volatiles, thus reducing odor while eliminating rainwater runoff contamination.



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SUPERFUND SITES



Posi-Shell® Cover has been successfully employed at numerous federal Superfund sites to reduce or eliminate emission of volatiles from excavations and material piles. The Posi-Shell® covering has also been employed at these sites to provide erosion control and to eliminate wind-borne dust transfer of contaminated materials.

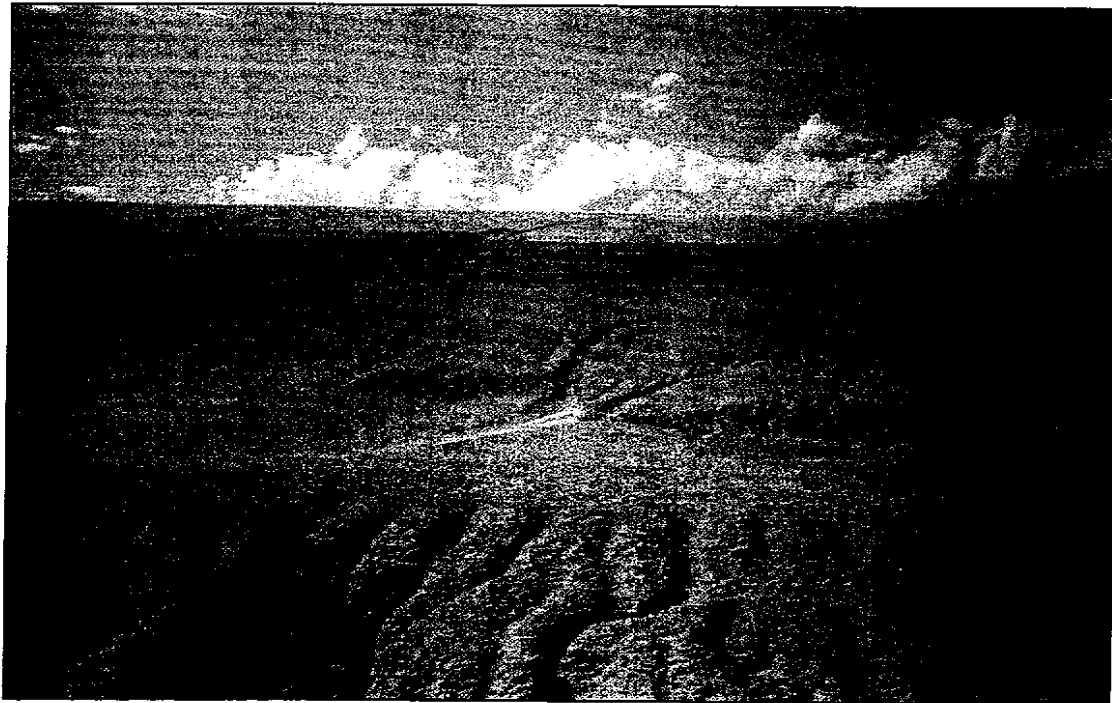
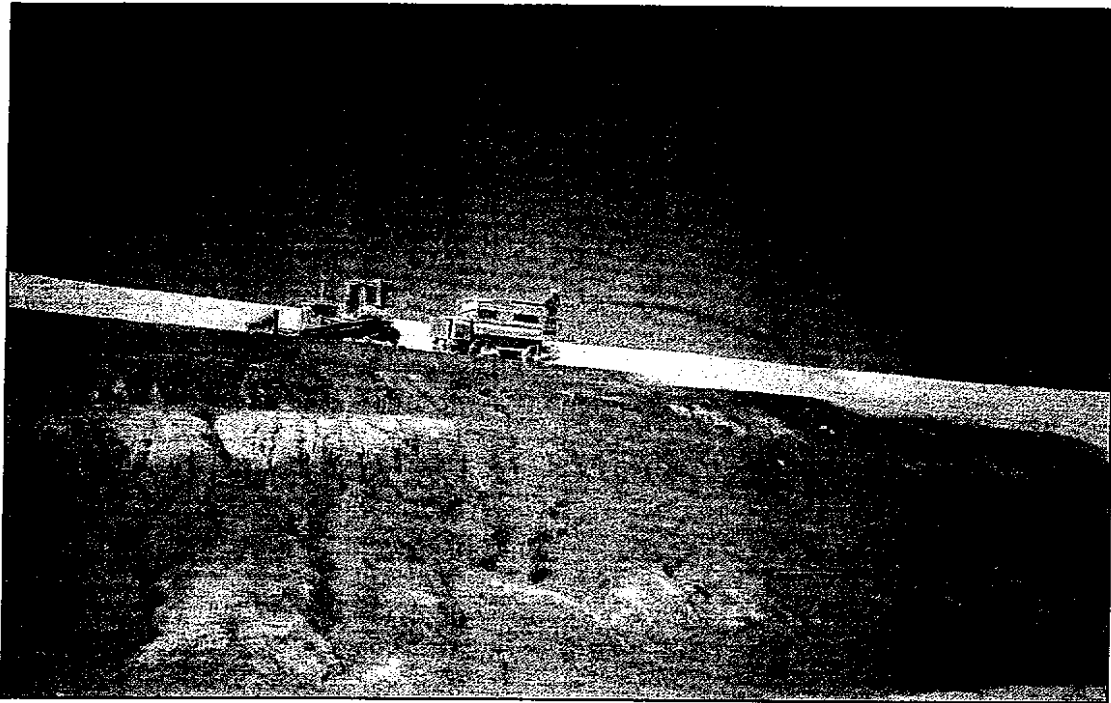


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POSI-SHELL® COVER SYSTEM

MINING APPLICATIONS



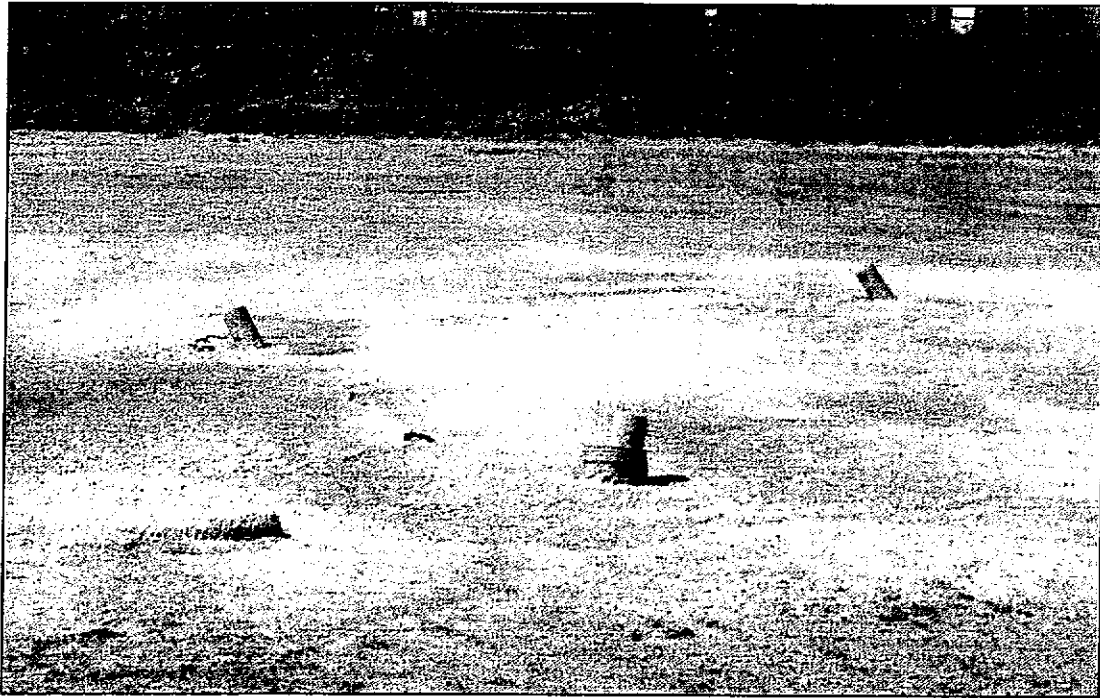
Customized cement mortar formulations of Posi-Shell® can be effectively used in the Mining Industry to eliminate fugitive dust, control wind and water erosion and decrease surface layer permeability to inhibit water infiltration. Posi-Shell can be tinted to match the surroundings making an aesthetically appealing appearance. The specially designed mobile Posi-Shell applicator has been designed for off road access. The long range spray-on slurry can reach difficult to reach and steep terrain. A thin coating of Posi-Shell synthetic cover used for large scale projects or short term problem areas reduces your costs and increases profits.



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VOC SUPPRESSION



The Posi-Shell® Cover System can be effectively used as a barrier to dramatically reduce airborne emissions from volatile organic compounds, aldehydes, ketones and alcohols from exposed waste surfaces. Posi-Shell forms a resilient surface after curing and can reduce the chemical emissions of these compounds by as much as 97%.



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COMPOST PILES



Posi-Shell® provides an extremely effective means of coating the exterior surfaces of compost piles during the active composting period. The lime content of the Posi-Shell® mixture aids in the reduction of odors and the Posi-Shell® coating eliminates windblown debris without interfering with the biostabilization processes.



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