

# Alberta Oil Sands Technology & Research Authority

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## Products/Services

AIR POLLUTION CONTROL  
HAZARDOUS WASTE  
OIL SPILL  
SITE RECLAMATION  
SOLID WASTE  
WATER & WASTEWATER

Soil Remediation  
Technology Transfer & Licensing Office

## Company/Product

The Alberta Oil Sands Technology and Research Authority (AOSTRA), a provincial crown corporation established in 1974, has helped to make Alberta a world leader in oil recovery technologies.

As a result of the investment by AOSTRA and its industry partners in the research and development of Alberta's hydrocarbon resources, a \$1 billion pool of technology is available for license from AOSTRA. AOSTRA has signed technology transfer agreements with government organizations in many nations and also has numerous technology licensing agreements with industry.

The AOSTRA/Taciuk Processor (ATP) has been tested as a method for clean-up of hydrocarbon-contaminated soils from industrial sites in Canada and the U.S.. As a result of this testing, the ATP has been licensed for use as a transportable system for clean-up of contaminated soils. A 10 tonne/hour transportable system has been constructed in Calgary, Alberta, by UMATAC for use by Solitech Inc. of Indiana.

Other solid waste material such as automotive tires and plastic containers may also be used as materials for treatment by the ATP.

## Current Geographic Marketing Activities

The Processor's first commercial application was in Wide Beach, NY, where it cleaned soil contaminated by high PCB content oil. The ATP has been successful and is now receiving approval by the U.S.A. Environmental Protection Agency as a method for PCB clean-up. The processor then moved to Waukegan Harbor in Illinois where it has cleaned-up oil and PCB contaminated sediments dredged from the harbour and surrounding area.

## Contact Sought

AOSTRA is interested in developing contacts in countries that require solid waste clean-up technology to apply to old refinery and petrochemical plant sites.