

## **PRODUCTS AND SERVICES**

### HAZARDOUS MATERIALS

The Bal-Pac Thermal Conversion System processes solid wastes and sludge's containing, dioxins, Furans, PCBs, rubber, chlorides, hydrocarbons, plastics, wood and paper products. The *Balboa Pacific* pyrolytic process has been used successfully on contaminated soils, industrial and petroleum based sludge, municipal waste and other hazardous waste material.

### WASTE VOLUME REDUCTION

The system reduces all organic materials to a small fraction of their original volume. A ninety-five percent (95%) reduction in volume is not uncommon. Organic materials are reduced to sterile ash composed mostly of carbon. Metals are transformed to a nonleachable, oxidized material that meets all EPA requirements.

### NET HEAT PLANT EFFICIENCY

The BalPac Thermal Conversion Systems are 75% to 90% efficient depending on the waste stream composition. Incineration systems typically are 50% efficient. With the Bal-Pac System, the BTU value of the waste stream is available as an energy source. The energy conversion of the BalPac systems, using waste heat boilers, will produce steam for several applications, including co-generation with a steam driven turbine generator set. The power generated by the system depends on the average BTU content of the waste stream. Typically, tires, plastics, oil sludge's and solvents have higher energy values in excess of 14,000 BTUs per pound, while typical municipal solid waste (MSW) averages about 6,000 BTUs per pound.

### AVAILABLE SERVICES

*Balboa Pacific* offers a wide range of support services. They include:

- Site Assessment
- Waste Stream Analysis
- Assistance with the Regulatory Entitlement Process and Permits
- Development Coordination
- System Installation
- Turnkey Operation and Management—if desired
- Performance Verification
- On-Site Service and Maintenance
- Waste Destruction Service Contracts, that is performed on an as-needed-basis, which is accomplished by the use of our Owner/Operated 50TPD Mobile Systems, thus relieving the customer of capital costs for the system, liability for system operation and maintenance and the customer only pays for the services as needed. This is ideal for the destruction of illegal drugs for DEA and US Customs, chemical and biological weapons for the DOD, etc.

### PRICING POLICIES

Equipment pricing is project-specific because it is virtually impossible to accurately provide system pricing because of fluctuation in material cost, labor cost, system components and specifications, configuration, front end handling requirements, waste stream composition, site constraints, local codes and regulatory impositions. Balboa has a Project Questionnaire, the answers to which will provide Balboa and its affiliates with the necessary information to provide a preliminary system pricing, which will be refined after System engineering is completed.