

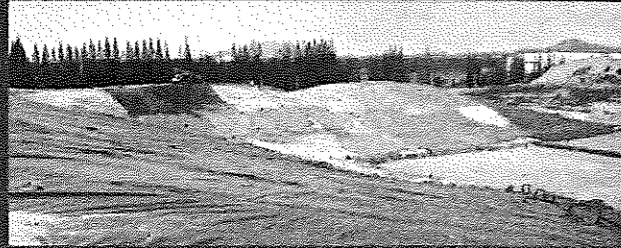
## 附件一、ESBEC 簡介



## ESBEC Operation

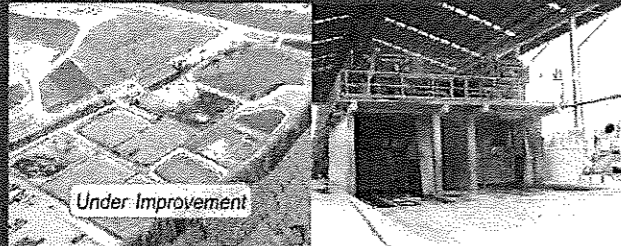
### 1. Secure Landfill

Our secure landfill is lined with 600 millimeter compacted clay, 2 layers of 1.5 mm. High Density Polyethylene (HDPE) and 2 layers of Geotextile plus a leachate and landfill gas collection system to eliminate odors and to protect groundwater from contamination.



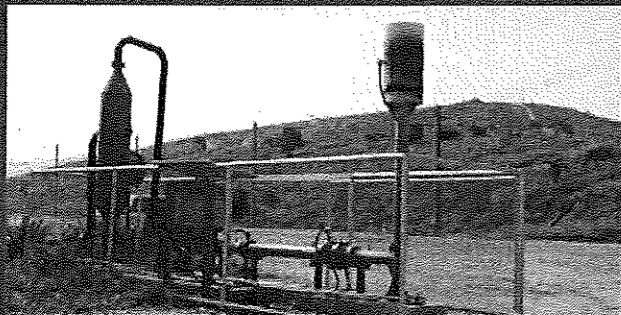
### 2. Waste Water and Leachate Treatment

All water which comes into contact with the waste is pumped from the leachate collection system at the bottom of the landfill to the leachate treatment plant for treatment by Sequencing Batch Reactors (SBRs) in our unique Bioplant. Pre-treatment and post treatment is necessary for high efficiency treatment. We can treat your company's waste water also.



### 3. Landfill Gas Management

Landfill gas from solid waste degradation, combined with methane (CH<sub>4</sub>) and carbon dioxide (CO<sub>2</sub>) is pumped through pipe collection and burned at flare station which is designed according to US-EPA standard to minimize smell. ESBEC plan to install new power generator in order to efficiency collect gas from the landfill of greenhouse gas generating from landfill.



### 4. Recycling Plant and WEEE

ESBEC has resources for recovering recyclable materials such as glass, paper, metals, plastics and other materials. Since the process is labor-intensive, we make a significant contribution to local employment. ESBEC separate the recyclable waste from non-recyclable within facilities included Waste Electrical Electronic Equipment and Bulb Eater using processes that fully comply with Thai regulations and provides the proper documentation, permits, and safety protections meet international standards.

### 5. Liquid and Solid Blending

ESBEC has oil sludge containment, treatment, removal and processing for alternative fuel and resource recovery.

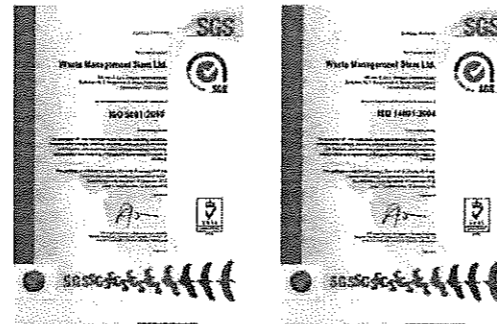
### 6. Laboratory

ESBEC achieved and registered laboratory certificate No.Wor-212 by Department of Work, Industrial Ministry and we can analysis TCLP testing of the waste water, soil and industrial waste by quality teams with experience and always training.



### 7. Environmental Monitoring

ESBEC We will monitor and audit the environment according to the Environmental Impact Assessment (EIA) Report. This covers ground and surface water, particulate, smell, air quality, monitoring program, health and properties safety, transportation, etc. In compliance with the ISO9000 and ISO14000, we are using modern security, manifest, and document system.



### 8. Industrial and Support Services to Oil and Gas Business

ESBEC has fully equipped industrial and site service teams, capable of meeting the demands of customers 24 hours/day, 7days/week on a variety of site related projects. Our site services include:

- ★ Equipment cleaning, crushing, Decontamination of tanks onshore and offshore
- ★ Emergency response for spills or incidents
- ★ Mercury contamination testing services
- ★ Contaminated land clean up and restoration
- ★ Pumping projects for a variety of liquids and sludge using a full range of diaphragm, submersible, and vacuum pump units

### 9. Transportation system and GPS

High quality containers and trucks to keep your site clean and in full compliance

- ★ WMS operated a specially designed and licensed fleet of trucks using modern customized containers that are lift and load certified to meet specific customer needs.
- ★ The Manifest systems for truck control all movements, procedures and accurately track the transport and disposal of all waste.
- ★ GPS systems on each truck control all movements.
- ★ Upgraded the security and monitoring systems via CCTV system and Access Control at all its facilities. This provides greater assurance and added security for our customers. They can be confident that once their waste is handled by WMS. It will be stored, treated and disposed of professionally.
- ★ All WMS containers will keep clean and close all time during waste transportation and special control for waste spill.
- ★ Truck driver and transport staff has training and experienced in the waste transportation correctly.



## Award



- ★ **Waste Processor Ranking Project 2012 (101/105/106)** : Gold Awards for Landfill & Liquid Blending activities and Bronze award for Solid Blending from Department of Work (DIW)
- ★ **Environmental Good Governance Project 2011** from Ministry of Industry
- ★ **Corporate Social Responsibility in Supply Chain Project 2011 (CSR-DIW)**
- ★ **Green Industry Project, Level 3** certified for Green Environmental Management System
- ★ **White Factory Project** for cooperative with government on protest the campaign of illegal drugs in the workplace

## WMS Permit

1. Transportation License
2. Hazardous waste substance transporter ID number
3. Hazardous waste substance Transport License (Wor.Or.8)
4. Waste Collection Transportation permit by Local government
5. Liability Insurance for transportation Hazardous waste
6. Marine Permit (MAPOL) as waste transporter

## ESBEC Permit

1. Manufacturing Permit 101, 105, 106
2. Environmental Impact Assessment (EIA)
3. Waste disposal permit by local government
4. Private Laboratory License
5. Manifest System
6. Hazardous Waste Substance waste processor ID number
7. Hazardous waste substance for storage
8. Marine Permit (MARPOL) as waste processor

"Returning the Environment to the People of Thailand"