

# CHLORINE PLANT

## United Arab Emirates

**Project description:**

The facilities of the Chlorine plant had to be demolished after 20 years operation. A decontamination of the mercury containing construction parts (cells, decomposers, filters, process pipes) was necessary. A mono-dump had to be built for the mercury containing waste from the construction elements and debris, which could not be treated. HPC was providing the HSE (Health, Safety & Environment) Manager in order of the TUS MIDDLE-EAST GmbH & Co. KG.

**Services:**

- International cooperation between local and German companies
- Preparation and establishment of a HSE Plan including an emergency plan, site remediation and waste management plan
- Establishment of the Personal Protective Equipment levels, instruction and supervision of the use and handling of the safety measures
- Safety instructions for Arab, Indian, Pakistani labourers
- Preparation and establishment of demolition work procedures and permits for the single parts and facilities of the plant
- Data evaluation of the chemical analyses
- Health and safety supervision of the mono-dump construction and operation
- Waste management

**Customer benefits:**

- Professional organization and supervision according to EC regulations
- Site supervision, coordination and evaluation of the works by one hand

**Project name:**

Chlorine Plant Decontamination, Demolition & Disposal at Abu Dhabi Refinery

**Country:**

United Arab Emirates

**Location:**

Abu Dhabi, Emirate Abu Dhabi

**Customer:**

TAKREER Abu Dhabi Refinery

**Information:**

C/o TUS MIDDLE-EAST GmbH & Co KG, Muelheim a.d. Ruhr

**Reason:**

Demolition of a Chlorine alkali electrolyses plant (amalgam processing)

**Contract value for HPC:**

90.0000 €

**Project duration:**

08/2004 – 09/2005

**Service area:**

Coordination and supervision of a chemical plant's demolition

**Project data:**

- Complete demolition of a Chlorine plant and remediation of the plant area
- Decontamination of the mercury containing production facilities
- Construction of a mono-dump for mercury containing waste and debris