

MACAO HAZARDOUS WASTE TREATMENT PLANT (supervisory services for design and build project)



Client / Employer Government of the Macao Special Administrative Region
 Infrastructure Development Office

Service Supervisory Services for Design and Build Project provided by CONSULASIA, LDA.

Investment Approx. MOP 80 Million

Contract Price MOP 874,500

Time Schedule April 2006 to March 2008

Description of the Project The object of this project was to construct a facility that will cater the needs of disposing hazardous waste such as hospital waste, cadaver of dogs and horses.

The project main building represents an indoor area of 9,550 m². This new Hazardous Waste Treatment Plant is on Taipa Island in the Macao Special Administration Region. The site is 5400m² of which the plant occupies 2700m². The remaining area was not used and enabled the Government to allocate the land for other uses.

The site is bounded by Avenida Son On to the North, Rua da Harmonia to the West, Rua da Fortuna and the MRIP (Macao Refuse Incineration Plant) to the east and the Sewage Treatment Plant to the south. The plant both collects and segregates the hazardous wastes as well as treating them. As the waste collected may contain illegal goods or prohibited commodities, the wastes can only be treated after clearance, consequently, the wastes often have to be kept in the special storage areas of the plant for a considerable time.

The site includes the main process building, a weighbridge for vehicles up to 35 tons, an administration building, staff changing facilities, laboratory and plant rooms, an open tire storage and de-rimming area, a single storey hazardous waste store, an underground waste fuel tank, an open compound area for secondary process equipment and stores for temporary hazardous waste storage.