

Project: DS130-Sewage Pumping Station H in Al Barsha
Year : 2009
City: Dubai, UAE
Client: Dubai Municipality

Contractor: Nael Construction and Contracting (LLC)
Consultant: Al Turath/AAW Consulting Engineers
Products: AFP Series ABS Submersible Sewage Pumps

Introduction

As part of one of the biggest waste water projects for Dubai Municipality's Drainage and Irrigation Department, for pumping waste water to the sewage treatment plant at Jebel Ali, pumping station H near intersections 4 and 5 on Sheikh Zayed Road, has a capacity to pump 2000 litres per second with the option to increase this to 4000 litres per second in the future.

Pumping station H marks an integral part of government strategy linking all areas of Dubai to the drainage network by the end of 2011.

There are plans for the station to be connected to a 10 kilometre pipeline to Al Khail Road and also on towards the Emirates Road in order to serve the areas of Al Sufooh, Jumeirah Palm and Al Barsha.



Products & Application

Ahmed Ramadhan Juma supplied and commissioned a total of 4, 400 kW AFP series pumps and a total of 6, 3 kW AS series pumps for Dubai Municipality's main sewage pumping station H in Al Barsha.

The water-tight fully flood-proof motor and pump form a particularly compact and robust unit that comprises a water pressure sealed connection chamber, with two stage cable entry protected against excessive cable tension and bending. The pump also benefits from bimetallic thermal sensors in the stator that open at 140°C, as well as maintenance-free blockage and a maintenance-free internal closed looped cooling system. A separation chamber contains a sensor for moisture protection to indicate any form of water leakage. The pumps are manufactured in Germany and the Republic of Ireland.



First in Pumping Systems for Water Technology