

ISAM Sequencing Batch Reactor for 30,000 Gallons Per Day



Case Study Details

Parameter	Design Influent (mg/L)	Design Effluent (mg/L)
BOD ₅	250	10
TSS	250	15
NH ₃	30	2

The government of the Cayman Islands centralized their offices in one large building.

The occupancy of this new building will be nearly 1000 employees. As the building was not located close to a sewer network, it required its own treatment plant.

H2FLOW EQUIPMENT INC. supplied an ISAM SBR system designed to provide the performance required.

The system features an integral sludge digestion tank, an equalization tank and a true sequencing batch reactor section.

As the discharge is to environmentally sensitive underground wells, the ISAM was chosen as the high performance treatment process technology for this application.

Client: Cayman Islands Government Administration

Start-Up: 2010