

EEC GLOBAL OPERATION LLC

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Project: Kandahar Airfield (KAF)

Kandahar, Afghanistan

Owner: NATO Support Agency

Application:

Manage domestic wastewater produced by the military personnel posted at Kandahar Airfield.

Specifications:

Influent: Wastewater generated by personnel use. No toxic materials or high phosphorous levels. BOD & TSS typically at 300 ppm.

Effluent standard: BOD: 30 mg/L; TSS: 30

mg/L; COD < 125 mg/L; CFU 4 per ml.

Flow capacity: 1,200,000 gallons per day (gpd)

Personnel managed: 10,000 + (Not certain of KAF user population)

Components: 12 bio-reactors, 5 equalization tanks, 5 sludge tanks, 4 chlorination contact tanks

History: System installed in three phases:

2006: 400,000 gpd capacity
Initial phase procured Weston Solutions, operated by KBR

2008: 200,000 gpd capacity added, procured by Toifor

2010: 600,000 gpd capacity added
Phase procured by ATCO Frontec for facility authority



EEC system in operation at Kandahar Airfield – Phase 3 install. EEC's design includes the capability to expand by directly linking in to previous installs.



First phase installation in operation since 2006. Previously, wastewater management was provided by a Soviet-era lagoon system on site.



Third phase being loaded for delivery in 2010. The system's shipping configuration has been designed to fit within standard ISO container sizes to meet the US Military's logistical delivery framework.

EEC HIGH-SPEED BIO TEC – FULLY AUTOMATIC

“Flexibility” is the key word.

Easy to transport, relocate, and configure. Containerized and ready to operate.

Complete package plants possessing equalization, biodegradation, and clarification, and sludge digestion capabilities

EEC: TOTAL SOLUTION WASTEWATER & WATER COMPANY

REVERSE OSMOSIS – EVAPORATORS – RECYCLING SYSTEMS – CUSTOM DESIGN WWTP