
# CASE STUDY:

# SAN DIEGO ZOO SAFARI PARK

*75,000 GPD MEMPAC™-M*
*Escondido, CA*

CLOACINA



CLOACINA.COM | 888.483.8469

# DESIGN PARAMETERS

**MODEL SUPPLIED: MEMPAC-M**

## INFLUENT PARAMETERS

| | |
|---|---|
| AVERAGE DAILY FLOW | 75,000 GPD |
| BIOCHEMICAL OXYGEN DEMAND | 300 MG/L |
| TOTAL SUSPENDED SOLIDS | 300 MG/L |
| INFLUENT TYPE | MUNICIPAL |

## EFFLUENT QUALITY

| | |
|---|---|
| BIOCHEMICAL OXYGEN DEMAND | < 5 MG/L |
| TOTAL SUSPENDED SOLIDS | < 5 MG/L |

# PROJECT TEAM

**SAN DIEGO ZOO**
Chris Brzezicki

**WALLACE GROUP**
Bryan Childress, P.E.
805 544-4011

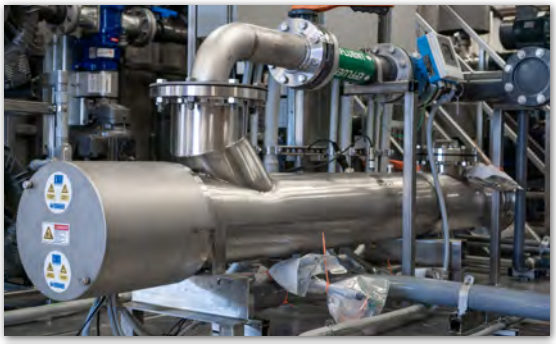
**JBI**
jbiwater.com

## PROJECT DETAILS

# OVERVIEW

This was a design/build project with Fluid Resource Management (FRM) and other sub-contractors, and was initially planned as a brand new treatment facility for the San Diego Zoo Safari Park. Cloacina proactively engaged with the client to offer best value solutions that maintained a high level of quality. Cloacina's scope included providing equipment for repurposing the existing aeration basin into an equalization storage basin, a MEMPAC-M package treatment plant with UV disinfection and a DRYPAC Aerated Sludge Handling System, all with fully integrated controls including remote monitoring and alarming.

For project videos, additional photos and more information, visit cloacina.com/safaripark





# CLOACINA SUPPLIED THE FOLLOWING FOR THIS PROJECT:

**EQUIPMENT:** Two stainless steel tanks and skids, a UV system and a DRYPAC Aerated Sludge Handling System

**LIFT STATION:** Pumps, aeration and level monitoring

**HEADWORKS:** 2mm perforated auger style with bypass and washer/compactor

**SECONDARY TREATMENT/ACTIVATED SLUDGE:** Standard anoxic and aeration

**CLARIFICATION:** Membranes

**CONTROLS:** Remote access, alarms and trending data

**SLUDGE HANDLING:** DRYPAC, 9,000 gallon tank, aeration and Volute dewatering sludge press