Case Study: Southern USA

Case Study	SOUTHERN USA W.W.T.P
Location	Southern U.S.A
Target	Sludge Elimination
Population Equivalent	35,000
Flowrate	15,000 m^3/day
Treated wastewater	Public WWT
Project Initiation	12/2017

AVERAGE MONTHLY VALUES						
MONTH	CBOD	COD	TSS	N-NH_4	TKN	TP
JAN	3,1	6,0	4,7	0,69	0,88	0,98
FEB	2,9	24,0	4,7	0,55	1,19	0,63
MAR	3,0	17,0	4,9	1,16	1,64	1,39
APR	2,7	7,6	2,8	0,36	0,65	1,41
MAY	2,6	25,8	3,2	0,39	0,57	1,48
JUN	2,7	13,6	5,9	0,85	1,56	1,48
JUL	3,3	16,5	2,6	0,17	1,26	0,79
AUG	3,0	12,8	2,7	0,16	0,80	1,88
SEP	3,7	9,2	2,6	0,32	1,02	1,28
OCT	3,3	14,7	2,5	0,15	0,95	0,96
NOV	3,8	10,7	4,3	0,33	1,12	0,79
DEC	3,7	12,3	4,7	0,29	1,15	1,14
AVG	3,2	14,2	3,8	0,45	1,07	1,18

BIO-ENVIRONMENTAL
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Comments & Results

- **After the implementation of the Ydro Process® the following targets were achieved:**
  - **Elimination of excess sludge**
  - **Elimination of odours**
  - **Optimization of the treatment process**
  - **Improvement of effluent parameters**

- **The application of the Ydro Series products were dosed simultaneously at the wastewater plant and the sewer network without any additional infrastructure needs, reducing the organic load before the plant up to 80% (i.e. <100 ppm COD)**