

Case Study: Southern USA 2nd WWTP

Case Study	SOUTHERN USA W.W.T.P 2
Location	Southern U.S.A
Target	Sludge Elimination
Population Equivalent	8,500
Flowrate	3,500 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	13,3	1,2	0,10	1,42	0,88
FEB	2,0	8,5	1,2	0,15	1,04	1,32
MAR	2,8	10,7	2,1	0,15	1,21	1,20
APR	2,2	8,9	1,2	0,17	4,50	1,62
MAY	2,7	11,9	3,3	0,18	2,08	1,40
JUN	2,1	13,4	1,2	2,09	3,80	0,96
JUL	3,2	14,0	2,1	0,33	2,06	1,34
AUG	3,3	12,8	2,4	0,48	2,37	1,84
SEP	3,0	10,1	3,0	0,24	3,07	0,87
OCT	2,8	13,5	3,2	0,37	1,46	0,96
NOV	3,4	13,8	2,4	0,19	1,67	1,13
DEC	2,8	12,5	2,0	0,18	1,22	1,27
AVG	<u>2,8</u>	<u>12,0</u>	<u>2,1</u>	<u>0,39</u>	<u>2,16</u>	<u>1,23</u>



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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
 - Optimisation of the treatment process
 - Reduction of the operational cost
 - Improvement of effluent parameters
 - No additional infrastructure