

**Limestone Correctional Facility Lagoon**  
**ADEM Permit # AL0048461**

**Effluent Data**

	Units	1/10/2022	2/10/2022	3/10/2022	4/12/2022	5/3/2022	6/14/2022
CBOD	mg/L	0	8.9	0	17.9	0	14.7
E. coli	col/100mL	4	20	32	216	0	20
Flow Rate*	gpm	0.279	0.283	0.277	0.151	0.150	0.177
pH	S.U.	7.28	7.91	6.94	7.41	8.18	7.58
Temperature	°C	9.5	8.1	13.9	17.2	23.8	29.5
TSS	mg/L	3.00	13.50	3.00	5.40	20.50	37.00
NH3-N	mg/L	12.00	8.25	16.00	15.30	4.97	1.95
TRC	mg/L	0.10	0.20	0.14	0.20	0.19	0.17
DO	mg/L	7.35	12.20	7.75	6.83	8.56	6.09
NO3 + NO2**	mg/L				1.94	2.29	1.56
TKN**	mg/L				19.30	17.20	6.58
TP**	mg/L				4.20	3.44	5.15

\*This table includes the instantaneous flow of the effluent at the time of sampling. LCWSA also maintains data

\*\*ADEM only requires permittees with facilities smaller than 1 MGD (Design Effluent Flow) to monitor for r

7/5/2022	8/23/2022	9/13/2022	10/4/2022	10/18/2022	11/8/2022	12/12/2022	Maximum	Average
12.2	38.4	32.6	29.1	7.25	6.34	9.1	38.4	13.6
20	73	0	0		0	0	216	32
0.122	0.201	0.171	0.177		0.248	0.358	0.358	0.216
8.30	8.22	8.10	8.49		7.22	6.94	8.49	7.71
29.4	27.6	24.8	18.9		18.9	14.4	29.5	19.7
26.00	47.00	42.00	52.00		16.00	11.00	52.00	23.03
0.00	2.95	0.00	0.75		4.54	11.60	16.00	6.53
0.21	0.16	0.18	0.24		0.17	0.18	0.24	0.18
5.50	8.19	9.16	8.23		6.73	5.44	12.20	7.67
0.00	0.00	2.27	1.57				2.29	1.38
7.06	14.30	4.46	6.55				19.30	10.78
3.50	3.50	3.25	2.60				5.15	3.66

aily totals for each day of the calendar year.

utrients (Phosphorus, Kjeldhal Nitrogen, Nitrate/Nitrite) during the summer season.