

Crist Engineers, Inc.

205 Executive Court
Little Rock, Arkansas 72205
Telephone (501) 664-1552
Fax (501) 664-8579
www.cristengineers.com



Consulting Engineers

Matthew D. Dunn
Craig A. Johnson
Brian N. Wintle

October 1, 2022

Ms. Kristen Graham
Admin Specialist III
Office of Water Quality – Enforcement Branch
Arkansas Division of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317
501.682.0624

Sent Via Email: water-enforcementreport@adeq.state.ar.us

Subject: Pine Bluff Wastewater Utility
Boyd Point Wastewater Treatment Facility
NPDES Permit No.: AR0033316 AFIN: 35-00149
Progress Report 01

Dear Ms. Graham:

In accordance with the requirements set forth under Section B of the NPDES Permit for compliance with Effluent Limitations for Oil and Grease we are submitting herewith Progress Report 01 addressing progress to attaining the Final Effluent Limitations of 10/15 mg/L average monthly/7 Day average. The data is assembled on the attached tables, which demonstrates compliance with Final Effluent Limitations.

Should you have any questions feel to reach me at 501.993.2922.

Sincerely,
Crist Engineers, Inc.

A handwritten signature in blue ink that reads "Craig A. Johnson, P.E." in a cursive script.

Craig A. Johnson, P.E.
Vice President

Cc: Vincent Miles, PBWU (via email)
Ken Johnson, PBWU (via email)

EFFLUENT 2021

DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP	
	O&G	TEMP		O&G	TEMP		O&G	TEMP		O&G	TEMP		O&G	TEMP
			6/1	2.17	23.7									
			6/2	4.52	23.5							8/2	3	28.6
			6/3	0.96	24.3							8/3	6.83	28.5
			6/4	7.79	25.8							8/4	2.47	28.2
			6/5	3.86	26.2							8/5	5.39	28.6
			6/6	6.79	26.8							8/6	0	28.3
			6/7	0	25.2									
			6/8	0	26.8									
			6/9	3.93	24.3							8/9	3.75	28.6
			6/10	1.37	25.8							8/10	5.43	29.4
			6/11	1.59	26.7							8/11	3.25	28.4
									7/12	6.85	27.8	8/12	4.52	28.3
									7/13	7.75	22.4	8/13	6.1	30.5
									7/14	6.45	29.3			
			6/14	2.47	30.6				7/15	2.25	30.7			
			6/15	0.63	30.1				7/16	0.37	25.5	8/16	3.43	28.1
			6/16	1.88	29.3				7/19	4.78	25	8/17	0	28.2
			6/17	1.85	29.2				7/20	6.79	28.1	8/18	1.83	27.7
			6/18	1.49	29.0				7/21	4.62	26.5	8/19	3.59	27.7
4/19	1.17	16.6							7/22	5.6	28.6	8/20	2.96	28.2
4/20	1.14	18							7/23	7.42	31.5			
4/21	6.15	15.1												
4/22	6.07	12.1				6/21	2.33	28.8						
4/23	5.42	16				6/22	1.9	22.3						
						6/23	7.07	26.5				8/23	6.59	29.9
						6/24	0.65	30.8				8/24	4.36	30.0
4/26	8.78	19.5				6/25	2.18	30.2						
4/27	1.08	17.4							7/26	2.88	31.2			
4/28	1	24							7/27	2.3	30.9			
4/29	2.13	23.1				6/28	0.72	28.6						
4/30	2.75	22				6/29	0.98	30.0						
						6/30	2.2	29.4						
			5/31	5	24.8									
COUNT	10	10		21	21		22	22		15	15		17	17
TOTAL	35.69	183.8		73.08	513.8		50.63	600.5		68.6	424.3		63.5	487.2
AVERAGE	3.569	18.38		3.48	24.4667		2.30136	27.295		4.57333	28.2867		3.73529	28.66
MAX	8.78	24		12.67	29.6		7.79	30.8		7.75	31.5		6.83	30.5
MIN	1	12.1		0	20		0	22.3		0.37	22.4		0	27.7

Note: Effective Date of the Permit is August 20, 2021, O&G units are mg/L, Temperature units are celcius

EFFLUENT 2021

DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP	
	O&G	TEMP		O&G	TEMP		O&G	TEMP		O&G	TEMP
9/1			10/1	2.47	25.3	11/1	4.72	15.5	12/1		
9/2			10/2			11/2	1.48	15.5	12/2		
9/3			10/3			11/3	2.92	18.0	12/3		
9/4			10/4	2.33	25.1	11/4	0	12.4	12/4		
9/5			10/5	4	23.7	11/5	4.57	12.2	12/5		
9/6			10/6	3.89	26.9	11/6			12/6		
9/7			10/7	3.02	23.3	11/7			12/7		
9/8			10/8	2.35	24.4	11/8	1.29	14.0	12/8		
9/9			10/9			11/9	3.33	17.5	12/9		
9/10			10/10			11/10	6	14.0	12/10	2.66	15.2
9/11			10/11	1.76	24.0	11/11	3.75	15.3	12/11		
9/12			10/12	2.99	23.7	11/12	2.07	13.0	12/12		
9/13	4.86	26.9	10/13	4.22	24.5	11/13			12/13	2.54	10.7
9/14	5.48	26.9	10/14	3.47	24.0	11/14			12/14	5.49	12.3
9/15	4	26.7	10/15	1.98	24.0	11/15	4.81	13.1	12/15	1.77	14.9
9/16	3.57	27.1	10/16			11/16	4.47	15.0	12/16	3	19.0
9/17	3.86	26.7	10/17			11/17	5.85	15.2	12/17	0.72	18.1
9/18	3.38	25.9	10/18	7.59	20.4	11/18	5.29	12.3	12/18		
9/19	3.34	26.1	10/19	4.57	18.0	11/19	4.78	12.4	12/19		
9/20	6.23	26	10/20	3.4	20.3	11/20			12/20	3.47	7.2
9/21	4.76	25	10/21	4.25	21.7	11/21			12/21	1.18	12.6
9/22	3.92	24.4	10/22	3.69	19.1	11/22			12/22	2	8.4
9/23	4	23.9	10/23			11/23			12/23	6	9.6
9/24	0	23.1	10/24			11/24			12/24	0	10.9
9/25			10/25	0.96	21.7	11/25			12/25		
9/26			10/26	1.74	22.4	11/26			12/26		
9/27	2.67	27.3	10/27	2.75	20.5	11/27			12/27	3.61	16.2
9/28	2.47	25.8	10/28	3	18.9	11/28			12/28	0	19.6
9/29	5.61	25.1	10/29	3.88	15.3	11/29			12/29	3.73	16.9
9/30	3	25	10/30			11/30			12/30	5.08	15.7
			10/31						12/31	1.46	16.3
Count	16	16		21	21		15	15		16	16
Total	61.15	411.9		68.31	467.2		55.33	215.4		42.71	223.6
Average	3.82188	25.7438		3.25286	22.2476		3.68867	14.36		2.66938	13.975
Max	6.23	27.3		7.59	26.9		6	18		6	19.6
Min	0	23.1		0.96	15.3		0	12.2		0	7.2

Note: O&G units are mg/L, Temperature units are celcius

EFFLUENT 2022														
DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP		DATE	O&G TEMP	
	O&G	TEMP		O&G	TEMP		O&G	TEMP		O&G	TEMP		O&G	TEMP
1/1	3.21	17.8	2/1	0.25	8.1	3/1	2.58	10.6	4/1	1.36	11.2	5/1	3.41	22.6
1/2	7.6	15.0	2/2	5.26	18.1	3/2	3.57	13.6	4/2			5/2	2.66	22.5
1/3	4	9.9	2/3	2.64	9.0	3/3	1.27	14.7	4/3			5/3	1.05	22.7
1/4	2	4.2	2/4	4.29	5.4	3/4	1.45	14.8	4/4	2.71	18.3	5/4	4.39	23.5
1/5	1.1	8.9	2/5			3/5			4/5	0.49	17.4	5/5	4.32	23.8
1/6			2/6			3/6			4/6	6	15.8	5/6		
1/7			2/7	4.39	6.9	3/7	0	10.6	4/7	2.05	15.0	5/7		
1/8	4.76	6.1	2/8	0.97	12.3	3/8	0.78	10.0	4/8	2	13.8	5/8		
1/9	3.52	9.6	2/9	2.22	12.3	3/9	6.93	8.9	4/9			5/9	2.67	21.9
1/10	1.92	7.1	2/10	3.86	13.9	3/10	2.63	12.3	4/10			5/10	1.77	27.2
1/11	2.47	6.9	2/11	1.37	8.9	3/11	2.9	10.6	4/11	3.04	16.8	5/11	6.24	26.8
1/12	0.56	6.6	2/12			3/12			4/12	3.43	20.9	5/12	2.22	31.6
1/13			2/13			3/13			4/13	0.27	20.3	5/13	2.05	29.0
1/14			2/14	0	6.7	3/14	1	10.3	4/14	0.25	13.8	5/14		
1/15	0	9.3	2/15	0	9.0	3/15	1.9	10.6	4/15	0.64	23.3	5/15	1.5	26.3
1/16	0.85	6.9	2/16	2.13	10.6	3/16	2.75	12.4	4/16			5/16	1.25	26.4
1/17	3.37	7.0	2/17	3.07	17.2	3/17	2.08	15.2	4/17	2.16	13.3	5/17	1.38	26.4
1/18	2	10.7	2/18	2.74	7.1	3/18	0	14.6	4/18	1.43	14.3	5/18	1	26.2
1/19	0.41	13.7	2/19			3/19			4/19	2	14.7	5/19	5.9	24.5
1/20			2/20			3/20			4/20	2.13	19.3	5/20		
1/21			2/21	1	16.1	3/21	0	15.3	4/21	3.5	25.0	5/21		
1/22	2.65	3.8	2/22	1.93	20.6	3/22	0	16.5	4/22			5/22	2.24	23.1
1/23	1.08	7.4	2/23	1.41	12.6	3/23	6.97	12.3	4/23			5/23	5.82	23.4
1/24	6.2	5.4	2/24	3	13.0	3/24	2.28	12.7	4/24			5/24	1.41	23.7
1/25	4	6.7	2/25	3.33	12.3	3/25	5	13.3	4/25	0	22.1	5/25	4.93	23.6
1/26	0.99	5.1	2/26			3/26			4/26	0	17.4	5/26	2.14	21
1/27			2/27			3/27			4/27	1.2	18.3	5/27		
1/28			2/28	1.03	14.3	3/28	1.54	14.9	4/28	2.44	20.1	5/28	1.59	25.2
1/29	2	4.9	2/29			3/29	4	15.9	4/29	1.87	17.4	5/29		
1/30			2/30	2.53	18.0	3/30	2.53	18.0	4/30			5/30	2	26
1/31			3/31	4.91	10.4							5/31		
COUNT	21	21		20	20		23	23		21	21		22	22
TOTAL	54.69	173		44.89	234.4		57.07	298.5		38.97	368.5		61.94	547.4
AVERAGE	2.6043	8.2381		2.2445	11.72		2.481304	12.97826		1.855714	17.54762		2.81545	24.8818
MAX	7.6	17.8		5.26	20.6		6.97	18		6	25		6.24	31.6
MIN	0	3.8		0	5.4		0	8.9		0	11.2		1	21

Note: O&G units are mg/L, Temperature units are celsius

EFFLUENT 2022

DATE	O&G	TEMP	DATE	O&G	TEMP	DATE	O&G	TEMP	DATE	O&G	TEMP
6/1	4.36	27.1	7/1			8/1					
6/2	1.86	27.3	7/2			8/2					
6/3	1	25.4	7/3			8/3					
6/4			7/4	1.79	29.0	8/4					
6/5			7/5	1.95	31.0	8/5					
6/6	5.33	27	7/6	2	31.5	8/6					
6/7	2.84	27.2	7/7	1.73	29.1	8/7					
6/8	1.83	26.9	7/8	1.43	32.3	8/8	2.2	30.8			
6/9	2	25.3	7/9			8/9	1.5	27.9			
6/10	2	26.10	7/10			8/10	0.89	28.7			
6/11			7/11	2.13	30.6	8/11	4.1	28.4			
6/12			7/12	1.16	31.2	8/12	2.35	29.6			
6/13			7/13	4.81	25.5	8/13					
6/14			7/14	3	28.8	8/14					
6/15	5.32	29.70	7/15	1.38	28.1	8/15	1.08	30.8			
6/16	2.73	29.10	7/16			8/16	0.63	31.5			
6/17	1	28.8	7/17			8/17	2.57	27.8			
6/18			7/18	1.37	36.2	8/18	3.71	26.3			
6/19			7/19	2.65	30.4	8/19	2.94	27.6			
6/20	1.76	29.8	7/20	0.88	30.1	8/20					
6/21	1.35	30.7	7/21	0.57	30.4	8/21					
6/22	2.24	30.8	7/22			8/22	2.67	27.5			
6/23	3.69	30.90	7/23			8/23	0.49	26.8			
6/24	2.67	31.30	7/24			8/24	0.42	26.7			
6/25			7/25			8/25	0	28.7			
6/26			7/26			8/26	2.25	27.9			
6/27	1.18	29.1	7/27			8/27					
6/28	0.71	28.8	7/28			8/28					
6/29	3.47	27.6	7/29			8/29	0.51	31.7			
6/30	3.38	25.5	7/30			8/30	0.92	30.1			
6/31			7/31			8/31	0.4	29.3			
COUNT	20	20		14	14		18	18			
TOTAL	50.72	564.4		26.85	424.2		29.63	518.1			
AVERAGE	2.536	28.22		1.9179	30.3		1.6461	28.783			
MAX	5.33	31.3		4.81	36.2		4.1	31.7			
MIN	0.71	25.3		0.57	25.5		0	26.3			

Note: O&G units are mg/L, Temperature units are celcius