

**Crist Engineers, Inc.**

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**Consulting Engineers**

Matthew D. Dunn  
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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](mailto: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 our 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 style.

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
						6/1	2.17	23.7						
						6/2	4.52	23.5				8/2	3	28.6
			5/3	0.82	28.0	6/3	0.96	24.3				8/3	6.83	28.5
			5/4	2	29.6	6/4	7.79	25.8				8/4	2.47	28.2
			5/5	3.86	26.2							8/5	5.39	28.6
			5/6	6.79	26.8							8/6	0	28.3
			5/7	0	25.2	6/7	1.95	24.8						
						6/8	0	26.8						
						6/9	3.93	24.3				8/9	3.75	28.6
			5/10	12.67	21.3	6/10	1.37	25.8				8/10	5.43	29.4
			5/11	0	21.6	6/11	1.59	26.7				8/11	3.25	28.4
			5/12	0.37	21.3				7/12	6.85	27.8	8/12	4.52	28.3
			5/13	5.57	20.0				7/13	7.75	22.4	8/13	6.1	30.5
			5/14	0.38	20.0	6/14	2.47	30.6	7/14	6.45	29.3			
						6/15	0.63	30.1	7/15	2.25	30.7			
						6/16	1.88	29.3	7/16	0.37	25.5	8/16	3.43	28.1
			5/17	5.37	21.0	6/17	1.85	29.2				8/17	0	28.2
4/19	1.17	16.6	5/18	2.56	22.4	6/18	1.49	29.0				8/18	1.83	27.7
4/20	1.14	18	5/19	0	23.6				7/19	4.78	25	8/19	3.59	27.7
4/21	6.15	15.1	5/20	1.74	23.1				7/20	6.79	28.1	8/20	2.96	28.2
4/22	6.07	12.1	5/21	5.5	26.0	6/21	2.33	28.8	7/21	4.62	26.5			
4/23	5.42	16				6/22	1.9	22.3	7/22	5.6	28.6			
						6/23	7.07	26.5	7/23	7.42	31.5	8/23	6.59	29.9
			5/24	5.62	26.1	6/24	0.65	30.8				8/24	4.36	30.0
4/26	8.78	19.5	5/25	0.88	26.6	6/25	2.18	30.2						
4/27	1.08	17.4	5/26	4.88	25.6				7/26	2.88	31.2			
4/28	1	24	5/27	3.73	27.7				7/27	2.3	30.9			
4/29	2.13	23.1	5/28	5.34	26.9	6/28	0.72	28.6	7/28	3	26			
4/30	2.75	22				6/29	0.98	30.0	7/29	1.13	31.3			
						6/30	2.2	29.4	7/30	6.41	29.5			
			5/31	5	24.8									
<b>COUNT</b>	10	10		21	21		22	22		15	15		17	17
<b>TOTAL</b>	35.69	183.8		73.08	513.8		50.63	600.5		68.6	424.3		63.5	487.2
<b>AVERAGE</b>	3.569	18.38		3.48	24.4667		2.30136	27.295		4.57333	28.2867		3.73529	28.66
<b>MAX</b>	8.78	24		12.67	29.6		7.79	30.8		7.75	31.5		6.83	30.5
<b>MIN</b>	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
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
<b>Count</b>	16	16		21	21		15	15		16	16
<b>Total</b>	61.15	411.9		68.31	467.2		55.33	215.4		42.71	223.6
<b>Average</b>	3.82188	25.7438		3.25286	22.2476		3.68867	14.36		2.66938	13.975
<b>Max</b>	6.23	27.3		7.59	26.9		6	18		6	19.6
<b>Min</b>	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	
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		
1/2	7.6	15.0	2/2	5.26	18.1	3/2	3.57	13.6	4/2			5/2	3.41	22.6
1/3	4	9.9	2/3	2.64	9.0	3/3	1.27	14.7	4/3			5/3	2.66	22.5
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	1.05	22.7
1/5	1.1	8.9	2/5			3/5			4/5	0.49	17.4	5/5	4.39	23.5
1/6			2/6			3/6			4/6	6	15.8	5/6	4.32	23.8
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		
1/16	0.85	6.9	2/16	2.13	10.6	3/16	2.75	12.4	4/16			5/16	1.5	26.3
1/17	3.37	7.0	2/17	3.07	17.2	3/17	2.08	15.2	4/17			5/17	1.25	26.4
1/18	2	10.7	2/18	2.74	7.1	3/18	0	14.6	4/18	2.16	13.3	5/18	1.38	26.4
1/19	0.41	13.7	2/19			3/19			4/19	1.43	14.3	5/19	1	26.2
1/20			2/20			3/20			4/20	2	14.7	5/20	5.9	24.5
1/21			2/21	1	16.1	3/21	0	15.3	4/21	2.13	19.3	5/21		
1/22	2.65	3.8	2/22	1.93	20.6	3/22	0	16.5	4/22	3.5	25.0	5/22		
1/23	1.08	7.4	2/23	1.41	12.6	3/23	6.97	12.3	4/23			5/23	2.24	23.1
1/24	6.2	5.4	2/24	3	13.0	3/24	2.28	12.7	4/24			5/24	5.82	23.4
1/25	4	6.7	2/25	3.33	12.3	3/25	5	13.3	4/25	0	22.1	5/25	1.41	23.7
1/26	0.99	5.1	2/26			3/26			4/26	0	17.4	5/26	4.93	23.6
1/27			2/27			3/27			4/27	1.2	18.3	5/27	2.14	21
1/28			2/28	1.03	14.3	3/28	1.54	14.9	4/28	2.44	20.1	5/28		
1/29	2	4.9				3/29	4	15.9	4/29	1.87	17.4	5/29		
1/30						3/30	2.53	18.0	4/30			5/30	1.59	25.2
1/31						3/31	4.91	10.4				5/31	2	26
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 celcius

### EFFLUENT 2022

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
			7/31			8/31	0.4	29.3
<b>COUNT</b>	20	20		14	14		18	18
<b>TOTAL</b>	50.72	564.4		26.85	424.2		29.63	518.1
<b>AVERAGE</b>	2.536	28.22		1.9179	30.3		1.6461	28.783
<b>MAX</b>	5.33	31.3		4.81	36.2		4.1	31.7
<b>MIN</b>	0.71	25.3		0.57	25.5		0	26.3

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