

# Arkansas Testing Laboratories

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NPDES Wastewater Monitoring  
 Water and Wastewater Analysis  
 Concrete, Asphalt, and Aggregate Testing  
 Geotechnical Testing  
 Industrial and Construction Quality Control

## Cave City

Collection Date: July 17, 2015  
 Collection Time: 11:50 AM  
 Collected By: BET

CORRECTED COPY

## Wastewater Analysis

Collection Place: Effluent

Parameter	Analysis Begin		Analysis End		Results	Unit	Loadin	Analyst	%	Rel	Sample	Ref
	Date / Time		Date / Time				lb/dy		Spike	%	Type	#
CBOD	07/17	2:00 PM	07/22	9:00 AM	< 2.0	mg/l	NA	KLB/KLB	93.5	11.16	Grab	1
TSS	07/17	3:35 PM	NA		2.0	mg/l	NA	EET	NA	0.00	Grab	2
Fecal Coliform	07/17	1:30 PM	07/18	12:45 PM	37	N/100mls	NA	BET/KLB	NA	0.00	Grab	3
pH	07/17	11:52 AM	NA		7.24	S.U.	NA	BET	NA	0.28	Grab	4
Chlorine Residu:	07/17	11:52 AM	NA		0.09	mg/l	NA	BET	NA	0.00	Grab	5
Dissolved Oxyge	07/17	11:52 AM	NA		8.30	mg/l	NA	BET	NA	1.21	Grab	6
Ammonia Nitroge	07/20	8:00 AM	NA		< 0.1	mg/l	NA	EET	92.1	8.14	Grab	7
Oil & Grease	07/17	2:30 PM	NA		2	mg/l	NA	EET	90.2	5.68	Grab	9
Arsenic	07/17	3:20 PM	NA		0.044	mg/l	NA	KLB	88.5	8.28	Grab	8
Cadmium	07/17	3:20 PM	NA		< 0.005	mg/l	NA	KLB	102.0	0.86	Grab	8
Chromium	07/17	3:20 PM	NA		< 0.02	mg/l	NA	KLB	101.0	3.34	Grab	8
Copper	07/17	3:20 PM	NA		0.010	mg/l	NA	KLB	94.8	0.42	Grab	8
Lead	07/17	3:20 PM	NA		0.020	mg/l	NA	KLB	93.9	6.40	Grab	8
Nickel	07/17	3:20 PM	NA		< 0.02	mg/l	NA	KLB	99.3	1.88	Grab	8
Zinc	07/17	3:20 PM	NA		< 0.005	mg/l	NA	KLB	103.1	1.35	Grab	8
Silver	07/17	3:20 PM	NA		< 0.01	mg/l	NA	KLB	78.4	0.48	Grab	8
Aluminum	07/17	3:20 PM	NA		< 0.1	mg/l	NA	KLB	92.3	0.78	Grab	8
Cyanide	07/20	10:30 AM	NA		< 0.01	mg/l	NA	KLB	98.0	0.00	Grab	10
Mercury	07/22	1:45 PM	7/22	2:15 PM	< 0.0050	ug/l	NA	AI308	101.0	5.84	EPA 245.7	

**Quality Assurance:** All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies at a rate of at least 10%.

**Notes:** Samples iced at collection. Preserved with H<sub>2</sub>SO<sub>4</sub> to pH<sub>2</sub>: Oil & Grease, Ammonia, COD

### References:

Analysis complies with 40 CFR Part 136:

- SM 5210 B
- SM 2540 D
- SM 9222 D
- SM 4500-HB
- SM 4500-Cl-G
- SM 4500-OG
- SM 4500 NH<sub>3</sub>-G
- SM 3120B
- EPA 1664A
- SM4500CNE



Neville Adams, Manager