

Measurement Report with Limits 11/3/09

*****NOT ICIS CERTIFIED*****

YELLVILLE, CITY OF AR0034037
001A

BOD, carbonaceous, 05 day, 20 C 80082 Monitoring Location = 1

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

10	15	62.6
mg/L C2	mg/L C3	lb/d Q1
MO AVG	7 DA AVG	MO AVG
12/31/04 2	2	5.8

Limit Start Date = 01/01/2005 Limit End Date = 12/31/2009
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

YELLVILLE, CITY OF AR0034037

	10	15	62.6
	mg/L C2	mg/L C3	lb/d Q1
	MO AVG	7 DA AVG	MO AVG
1/31/05	2	2	9.2
2/28/05	2	2	5.5
3/31/05	2	2	4.8
4/30/05	2	2	6.1
5/31/05	2	2	3.8
6/30/05	2	2	2.4
7/31/05	2.7	3	3.4
8/31/05	2	2	2.3
9/30/05	2	2	2.6
10/31/05	3.7	7	4
11/30/05	2	2	2.4
12/31/05	3.6	7	4.6
1/31/06	4.9	9	6.6
2/28/06	2.6	4	5.3
3/31/06	2	2	6.6
4/30/06	2	2	3.5
5/31/06	2.1	3	6.6
6/30/06	2	2	2.7
7/31/06	4.7	10	0.1
8/31/06	2	2	0.1
9/30/06	2	2	0.1
10/31/06	2	2	3.61
11/30/06	2	2	6.7
12/31/06	2	2	3.3
1/31/07	2	2	6.4
2/28/07	2	2	9.7
3/31/07	2	2	3.4
4/30/07	2	2	3.2
5/31/07	2	2	5.2
6/30/07	2	2	3.1
7/31/07	2	2	4.4
8/31/07	<2	<2	<2.2
9/30/07	<2	<2	<2.8
10/31/07	2	2	2.4
11/30/07	2	2	1.9
12/31/07	2	2	5.9
1/31/08	2	2	2.7
2/29/08	2	2	5.7
3/31/08	2	2	6.8
4/30/08	2	2	9.1
5/31/08	2	2	6
6/30/08	2	2	3.1
7/31/08	2	2	3.8
8/31/08	2	2	5.6
9/30/08	2	2	6.9
10/31/08	2	2	3
11/30/08	2	2	3.1
12/31/08	2	2	2.6
1/31/09	<2	<2	<2.6
2/28/09	<2	2	<5.7
3/31/09	<2	<2	<3.1
4/30/09	<2	2	<6.4
5/31/09	2	2	7.2
6/30/09	<2	<2	<3.9
7/31/09	<2	<2	<3.5
8/31/09	Not Submitted	Not Submitted	Not Submitted

AVG MA = 2 mg/L

$\frac{2}{10} = 20\%$
 $3 / \text{month} \rightarrow 2 / \text{month}$

Coliform, fecal general 74055 Monitoring Location = 1

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004
 Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	200	400
	#/100mL C2	#/100mL C3
	30DA GEO	7 DA GEO
12/31/04	2	2

YELLVILLE, CITY OF AR0034037

Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-) Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004

	200	400
	#/100mL C2	#/100mL C3
	30DA GEO	7 DA GEO
1/31/05	2	2
2/28/05	2	2
3/31/05	2	3
4/30/05	4	18
5/31/05	2	2
6/30/05	Not Submitted	Not Submitted
7/31/05	2	2
8/31/05	2	2
9/30/05	5	30
10/31/05	2	3
11/30/05	2	2
12/31/05	2	2
1/31/06	8	115
2/28/06	6	47
3/31/06	2	2
4/30/06	2	2
5/31/06	2	2
6/30/06	13	600
7/31/06	588	1000
8/31/06	9	166
9/30/06	70	102
10/31/06	7	84
11/30/06	2	2
12/31/06	2	2
1/31/07	5	36
2/28/07	8	152
3/31/07	2	2
4/30/07	2	2
5/31/07	2	2
6/30/07	13	500
7/31/07	2	2
8/31/07	40	115
9/30/07	<4	6
10/31/07	3	10
11/30/07	2	2
12/31/07	2	2
1/31/08	8	114
2/29/08	2	2
3/31/08	4	14
4/30/08	2	2
5/31/08	9	82
6/30/08	12	152
7/31/08	Not Submitted	Not Submitted
8/31/08	157	840
9/30/08	25	91
10/31/08	11	32
11/30/08	2	2
12/31/08	30	134
1/31/09	<2	<2
2/28/09	3	4
3/31/09	<2	<2
4/30/09	3	4
5/31/09	3	10
6/30/09	<4	14
7/31/09	<11	300
8/31/09	Not Submitted	Not Submitted

VIOLATION -> NOT ELIGIBLE FOR REDUCTION

Flow, in conduit or thru treatment plant 50050 Monitoring Location = 1

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004
 Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	Req. Mon.	Req. Mon.
	Mgal/d Q1	Mgal/d Q2
	MO AVG	DAILY MX
12/31/04	0.33875	0.509

YELLVILLE, CITY OF AR0034037

Limit Start Date = 01/01/2005 Limit End Date = 12/31/2009
 Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	Req. Mon. Mgal/d Q1 MO AVG	Req. Mon. Mgal/d Q2 DAILY MX
1/31/05	0.45255	0.694
2/28/05	0.31689	0.346
3/31/05	0.33797	0.532
4/30/05	0.3528	0.466
5/31/05	0.21445	0.261
6/30/05	Not Submitted	Not Submitted
7/31/05	0.13407	0.187
8/31/05	0.13432	0.282
9/30/05	0.1517	0.428
10/31/05	0.12332	0.139
11/30/05	0.1509	0.188
12/31/05	0.15484	0.184
1/31/06	0.20432	0.396
2/28/06	0.23207	0.361
3/31/06	0.30732	0.678
4/30/06	0.255	0.68
5/31/06	0.26652	0.537
6/30/06	0.1853	0.463
7/31/06	0.14558	0.237
8/31/06	0.13752	0.166
9/30/06	0.1571	0.324
10/31/06	0.21839	0.567
11/30/06	0.3352	0.655
12/31/06	0.299	0.502
1/31/07	0.40352	0.776
2/28/07	0.37257	1.503
3/31/07	0.198	0.285
4/30/07	0.24187	0.489
5/31/07	0.26458	0.319
6/30/07	0.2235	0.335
7/31/07	0.25377	0.63
8/31/07	0.11623	0.166
9/30/07	0.1309	0.23
10/31/07	0.14623	0.234
11/30/07	0.10553	0.123
12/31/07	0.24881	0.602
1/31/08	0.15548	0.269
2/29/08	0.32048	0.63
3/31/08	0.43261	0.711
4/30/08	0.41753	0.817
5/31/08	0.29507	0.522
6/30/08	0.20357	0.323
7/31/08	0.24097	0.473
8/31/08	0.30374	0.671
9/30/08	0.34653	0.888
10/31/08	0.15913	0.194
11/30/08	0.15053	0.263
12/31/08	0.18329	0.282
1/31/09	0.25926	0.477
2/28/09	0.29436	0.548
3/31/09	0.25071	0.365
4/30/09	0.32477	0.474
5/31/09	0.44142	0.67
6/30/09	0.22603	0.293
7/31/09	0.25026	0.787
8/31/09	Not Submitted	Not Submitted

Nitrite plus nitrate total 1 det. (as N) 00630 Monitoring Location = 1

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004
 Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

YELLVILLE, CITY OF AR0034037

	10	15	62.6
	mg/L C2	mg/L C3	lb/d Q1
	MO AVG	7 DA AVG	MO AVG
12/31/04	1.01	1.45	2.94

Limit Start Date = 01/01/2005 Limit End Date = 12/31/2009
 Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	10	15	62.6
	mg/L C2	mg/L C3	lb/d Q1
	MO AVG	7 DA AVG	MO AVG
1/31/05	3.21	4.47	14.67
2/28/05	0.19	0.37	0.52
3/31/05	0.05	0.06	0.13
4/30/05	0.2	0.33	0.62
5/31/05	0.05	0.05	0.1
6/30/05	Not Submitted	Not Submitted	Not Submitted
7/31/05	7.8	11.18	9.67
8/31/05	7.24	9.9	8.28
9/30/05	3.32	5.68	4.24
10/31/05	2.74	3.93	2.94
11/30/05	1.23	1.83	1.47
12/31/05	0.45	0.89	0.59
1/31/06	0.05	0.06	0.07
2/28/06	0.16	0.46	0.33
3/31/06	0.57	0.77	1.86
4/30/06	0.38	1.18	0.66
5/31/06	2.23	2.89	6.94
6/30/06	8.03	11.15	10.8
7/31/06	3.13	7.67	0.01
8/31/06	22.45	27.54	0.01
9/30/06	9.22	16.73	0.01
10/31/06	0.19	0.3	0.42
11/30/06	0.99	2.46	3.28
12/31/06	0.69	1.14	1.14
1/31/07	1.51	1.86	4.77
2/28/07	0.58	0.73	2.81
3/31/07	0.46	0.68	0.78
4/30/07	1.15	1.73	1.79
5/31/07	0.8	1.07	2.08
6/30/07	8.27	10.79	12.86
7/31/07	10.13	19.51	22.43
8/31/07	8.25	16.87	9
9/30/07	2.24	3.37	3.13
10/31/07	1.96	3.38	2.32
11/30/07	0.71	1.21	0.68
12/31/07	1.32	3.17	3.88
1/31/08	5.83	8.67	7.71
2/29/08	1.9	2	5.4
3/31/08	3.8	6.3	13.1
4/30/08	3.3	3.9	14.9
5/31/08	3.3	4	9.7
6/30/08	2.9	4.5	4.4
7/31/08	2.9	6.7	5.5
8/31/08	2.5	5.2	6.9
9/30/08	1.7	2.2	5.8
10/31/08	1.4	1.9	2.2
11/30/08	4.9	7.2	7.5
12/31/08	8.4	9	11.1
1/31/09	6.6	7.5	8.4
2/28/09	5	5.6	14.9
3/31/09	<1.1	2.3	<1.7
4/30/09	0.4	0.7	1.4
5/31/09	0.4	0.5	1.4
6/30/09	0.5	1	0.8
7/31/09	6.1	8.2	10.1
8/31/09	Not Submitted	Not Submitted	Not Submitted

AVG TCA = 3.2 mg/L

$\frac{3.2}{10} = 32\%$

3 / month → 1 / month

Nitrogen, ammonia total (as N) 00610 Monitoring Location = 1

YELLVILLE, CITY OF AR0034037

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004
 Season 1 (-Jan--Feb--Mar--Apr--Nov--Dec-)

	1	2	6.3
	mg/L C2	mg/L C3	lb/d Q1
	MO AVG	7 DA AVG	MO AVG
5/31/05	2.6	5.4	5
6/30/05	Not Submitted	Not Submitted	Not Submitted
7/31/05	0.2	0.3	0.2
8/31/05	0.5	0.8	0.6
9/30/05	0.6	1	0.8
10/31/05	0.5	0.8	0.5
5/31/06	0.4	0.6	1.1
6/30/06	0.1	0.1	0.1
7/31/06	3.3	9.4	0.1
8/31/06	0.1	0.1	0.1
9/30/06	0.1	0.1	0.1
10/31/06	0.1	0.2	0.22
5/31/07	0.2	0.3	0.5
6/30/07	0.2	0.3	0.3
7/31/07	0.1	0.2	0.3
8/31/07	<0.1	<0.2	<0.2
9/30/07	<0.2	0.7	<0.3
10/31/07	0.1	0.1	0.1
5/31/08	1.2	2.1	3.6
6/30/08	1	2.2	1.5
7/31/08	0.4	0.7	0.7
8/31/08	0.3	1	0.8
9/30/08	0.4	0.7	1.5
10/31/08	0.4	1	0.6
5/31/09	0.1	0.1	0.4
6/30/09	<0.1	0.1	<0.2
7/31/09	<0.7	1.9	<1.3
8/31/09	Not Submitted	Not Submitted	Not Submitted

VIOLATION - NOT ELIGIBLE

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004
 Season 1 (-Jan--Feb--Mar--Apr--Nov--Dec-)

	5	8	31.3
	mg/L C2	mg/L C3	lb/d Q1
	MO AVG	7 DA AVG	MO AVG
12/31/04	1.2	2.4	3.5

Limit Start Date = 01/01/2005 Limit End Date = 12/31/2009
 Season 1 (-Jan--Feb--Mar--Apr--Nov--Dec-)

YELLVILLE, CITY OF AR0034037

	5 mg/L C2 MO AVG	8 mg/L C3 7 DA AVG	31.3 lb/d Q1 MO AVG
1/31/05	0.2	0.3	0.8
2/28/05	2.6	5.2	7.2
3/31/05	0.2	0.4	0.5
4/30/05	<u>0.3</u>	<u>0.4</u>	0.9
11/30/05	0.1	0.1	0.1
12/31/05	2.2	5	2.9
1/31/06	3.8	8.9	5.1
2/28/06	0.1	0.1	0.2
3/31/06	0.1	0.1	0.4
4/30/06	3	5	0.5
11/30/06	<u>0.23</u>	<u>0.3</u>	0.9
12/31/06	0.1	0.1	0.2
1/31/07	0.1	0.2	0.4
2/28/07	0.3	1.2	1.2
3/31/07	0.1	0.1	0.2
4/30/07	<u>0.2</u>	<u>0.5</u>	0.4
11/30/07	<u>0.2</u>	0.3	0.2
12/31/07	0.1	0.2	0.4
1/31/08	0.1	0.1	0.1
2/29/08	0.1	0.2	0.4
3/31/08	0.7	1.9	2.3
4/30/08	<u>1.5</u>	<u>2.4</u>	6.8
11/30/08	0.3	0.6	0.4
12/31/08	0.2	0.3	0.3
1/31/09	<0.1	<0.1	<0.1
2/28/09	<1.9	5.1	<3
3/31/09	<0.3	0.5	<0.4
4/30/09	<u><1.4</u>	<u>3.9</u>	<4.5

Oxygen, dissolved (DO) 00300 Monitoring Location = 1

Limit Start Date = 01/01/2005 Limit End Date = 12/31/2009
 Season 0 (-May--Jun--Jul--Aug--Sep--Oct-)

	6 mg/L C1 INST MIN
5/31/05	7.06
6/30/05	6.6
7/31/05	6.6
8/31/05	6.8
9/30/05	7.6
10/31/05	8.1
5/31/06	8.1
6/30/06	5.02 ← VIOLATION
7/31/06	6.88
8/31/06	6.9
9/30/06	7.08
10/31/06	8.23
5/31/07	6.2
6/30/07	6.78
7/31/07	6.6
8/31/07	6.59
9/30/07	6.95
10/31/07	7.1
5/31/08	8.03
6/30/08	7.6
7/31/08	8.6
8/31/08	6.6
9/30/08	6.6
10/31/08	8
5/31/09	8.1
6/30/09	7.9
7/31/09	8
8/31/09	Not Submitted

WESA @ 31 months

pH 00400 Monitoring Location = 1

YELLVILLE, CITY OF AR0034037

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	6	9
	SU C1	SU C3
	MINIMUM	MAXIMUM
12/31/04	7.1	7.4

Limit Start Date = 01/01/2005 Limit End Date = 12/31/2009
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	6	9
	SU C1	SU C3
	MINIMUM	MAXIMUM
1/31/05	7.26	7.4
2/28/05	7.22	7.51
3/31/05	7.2	7.4
4/30/05	7.1	7.4
5/31/05	7.1	7.3
6/30/05	Not Submitted	Not Submitted
7/31/05	7.1	7.2
8/31/05	7.4	7.5
9/30/05	7.1	7.2
10/31/05	7	7.3
11/30/05	7.1	7.5
12/31/05	7	7.3
1/31/06	7.1	7.3
2/28/06	7.4	7.9
3/31/06	7.4	7.8
4/30/06	7.2	7.4
5/31/06	7.2	7.5
6/30/06	7.9	8
7/31/06	7.7	7.9
8/31/06	7.7	7.8
9/30/06	7.6	8
10/31/06	7.6	8.1
11/30/06	7.4	7.6
12/31/06	7.1	7.9
1/31/07	7.2	7.4
2/28/07	7.2	7.7
3/31/07	7.3	7.4
4/30/07	7.3	7.5
5/31/07	7.3	7.4
6/30/07	7.1	7.3
7/31/07	7.1	7.3
8/31/07	7.3	7.5
9/30/07	7.1	7.5
10/31/07	7.2	7.3
11/30/07	7	7.6
12/31/07	7.1	7.4
1/31/08	7.2	7.4
2/29/08	7	7.2
3/31/08	7.2	7.3
4/30/08	7	7.2
5/31/08	7.27	7.94
6/30/08	7.2	7.5
7/31/08	7.7	8.1
8/31/08	7.1	7.4
9/30/08	7.2	7.5
10/31/08	7.4	7.5
11/30/08	7.3	7.5
12/31/08	6.9	7.7
1/31/09	7.1	8.9
2/28/09	7.2	7.5
3/31/09	7.1	7.6
4/30/09	7.3	7.6
5/31/09	7.1	7.7
6/30/09	7.3	7.5
7/31/09	7.3	7.7
8/31/09	Not Submitted	Not Submitted

OK

YELLVILLE, CITY OF AR0034037

Solids, total suspended 00530 Monitoring Location = 1

Limit Start Date = 11/01/1999 Limit End Date = 12/31/2004

Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

15	23	93.8
mg/L C2	mg/L C3	lb/d Q1
MO AVG	7 DA AVG	MO AVG
12/31/04 7.7	11	22.4

Limit Start Date = 01/01/2005 Limit End Date = 12/31/2009

Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

YELLVILLE, CITY OF AR0034037

	15 mg/L C2 MO AVG	23 mg/L C3 7 DA AVG	93.8 lb/d Q1 MO AVG
1/31/05	6	8	27.3
2/28/05	7.4	11	20.3
3/31/05	5.1	9	12.2
4/30/05	2.7	4	8.3
5/31/05	5.1	6	9.5
6/30/05	Not Submitted	Not Submitted	Not Submitted
7/31/05	4.3	8	5.3
8/31/05	2.3	3	2.7
9/30/05	2.7	3	3.5
10/31/05	4.7	5	5
11/30/05	2.6	4	3
12/31/05	3.3	4	4.3
1/31/06	5.2	8	7.1
2/28/06	3.3	4	6.7
3/31/06	6	10	19.5
4/30/06	3	5	5.2
5/31/06	3.4	5	10.7
6/30/06	2.9	4	3.9
7/31/06	7	15	0.1
8/31/06	2.7	4	0.1
9/30/06	2.3	3	0.1
10/31/06	3	4	5.4
11/30/06	2.3	3	7.2
12/31/06	3.3	4	5.5
1/31/07	2.8	3	8.8
2/28/07	2.1	3	10.4
3/31/07	3	5	5
4/30/07	6.3	8	9.9
5/31/07	4	6	10.5
6/30/07	5	7	7.7
7/31/07	4.5	6	10.1
8/31/07	3.9	5	4.2
9/30/07	3.2	4	4.5
10/31/07	5.4	7	6.4
11/30/07	2	2	1.9
12/31/07	5.1	6	15.1
1/31/08	3.7	6	4.9
2/29/08	3.9	6	11.1
3/31/08	9.5	20	32.4
4/30/08	4.1	6	18.6
5/31/08	2	2	6
6/30/08	2	2	3.1
7/31/08	4.1	6	7.8
8/31/08	5	9	14
9/30/08	3.7	4	12.5
10/31/08	5.7	8	8.8
11/30/08	4.3	5	6.7
12/31/08	2	2	2.6
1/31/09	<2	2	<2.6
2/28/09	4.7	5	13.3
3/31/09	<5	7	<7.7
4/30/09	4	7	13
5/31/09	4.7	9	15.3
6/30/09	<2.7	4	<4.9
7/31/09	3.7	5	6.3
8/31/09	Not Submitted	Not Submitted	Not Submitted



$AVG\ TWA = 4\ mg/L$

$\frac{4}{15} = 27\%$

3/months \rightarrow 2/months