Industrial Wastewater Pretreatment Monitoring Report
Sampling Point #2 (Part 1, A&B)

Milbank Mfg

Year 02 Month OCTOBER

Date	Flow	pH	Cd	Cr	Cu	Ni	Ag	Pb	Zn	Mo	TTO	Phenol	CN	TPH	FOG	NH3	CBOD	COD	TSS
1																			
2	990	9.48																	
3																			
4																			
5																			
6																			
7																			
8	1560	9.08																	
9	2800	9.28																	
10	2770	9.53							.164	.022						3.4	19	<100	19
11																			
12																			
13																			
14																			
15																			
16	2610	9.60																	
17	2630	9.34																	
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29	1550	9.49																	
30	1040	9.48																	
31																			
Daily LIMIT	N/A	N/A	.02	2.0	.6	.8	.24	.1	1.25	N/A	2.13	.5	.5	N/A	100	N/A	N/A	N/A	N/A
Average	1994	9.41							.164	.022						3.4	19	<100	19
Maximum	2800	9.60							.164	.022						3.4	19	<100	19
Minimum	990	9.08							.164	.022						3.4	19	<100	19

Total Flow 129,000

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief is, true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Richard Tyler

Authorized Company Representative

DATE 11-22-02

MIL0004540

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Richard Tyler
MILBANK MANUFACTURING INC
1400 E. Havens Street
Kokomo, IN 56901-3188

10/21/2002

Job Number: 02.04826

Enclosed are the Analytical Results for the following samples submitted to TestAmerica, Inc. Indianapolis Division for analysis:

Project Description: MONTHLY WASTEWATER

Sample Number	Sample Description	Date Taken	Time Taken	Date Received
330023	MONTHLY COMPOSITE	10/10/2002	15:30	10/10/2002

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

TestAmerica Incorporated-Indianapolis Division is in compliance with the National Environmental Laboratory Accreditation Program (NELAP) Standards.

Reproduction of this analytical report is permitted only in its entirety.

Kim Sandrick

Project Representative

6964 HILLSDALE CT. / INDIANAPOLIS, IN 46250 / 317-842-4261 / FAX: 317-842-4286

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Richard Tyler
MILBANK MANUFACTURING INC
1400 E. Havens Street
Kokomo, IN 56901-3188

10/21/2002

Job No.: 02.04826

Date Received: 10/10/2002
Job Description: MONTHLY WASTEWATER

Sample Number / Sample I.D. Parameters	Wet Wt. Result	Flag	Sample Date/ Units	Analyst Date & Time Analyzed	Method	Reporting Limit
330023 MONTHLY COMPOSITE			10/10/2002 15:30			
CBOD - Five Day	19		mg/L	lng 10/16/2002 12:30	EPA 405.1	<5.
CBOD - Five Day (PREP)	Complete			lng 10/11/2002 12:50	EPA 405.1	Complete
COD	<100	d2x10	mg/L	tpd 10/16/2002 09:05	EPA 410.4	<100
Nitrogen, Ammonia Dist.	3.4		mg/L	jss 10/17/2002 08:58	EPA 350.1	<0.10
Solids, Suspended	19		mg/L	lng 10/11/2002 10:53	EPA 160.2	<5.
Distillation, Ammonia	Complete			mhl 10/16/2002 11:00		Complete
Molybdenum, ICPMS	0.0227		mg/L	400 10/18/2002 22:22	EPA 200.8	<0.0010
Zinc, ICPMS	0.164		mg/L	400 10/18/2002 22:22	EPA 200.8	<0.050

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TestAmerica
INCORPORATED

KEY TO ABBREVIATIONS

<	Less than; when appearing in the result column, indicates analyte not detected at or above the Reporting Limit.
%	Percent; To convert ppm to %, divide result by 10,000. To convert % to ppm, multiply the result by 10,000.
*	Indicates the Reporting Limit is elevated due to insufficient sample volume.
mg/L	Part per million; Concentration in units of milligrams of analyte per Liter of aqueous sample.
ug/L	Part per billion; Concentration in units of micrograms of analyte per Liter of aqueous sample.
mg/kg	Part per million; Concentration in units of milligrams of analyte per kilogram of non-aqueous sample.
ug/kg	Part per billion; Concentration in units of micrograms of analyte per kilogram of non-aqueous sample.
a	Indicates the sample concentration was quantitated using a diesel fuel standard.
b	Indicates the analyte of interest was also found in the method blank.
c	Sample resembles unknown Hydrocarbon.
dw	When indicated, the result is reported on a dry weight basis. The contribution of the moisture content in the sample has been subtracted when calculating the concentration.
d1	Indicates the analyte has elevated Reporting Limit due to high concentration.
d2	Indicates the analyte has elevated Reporting Limit due to matrix.
e	Indicates the reported concentration is estimated.
g	Indicates the sample concentration was quantitated using a gasoline standard.
h	Indicates the sample was analyzed past recommended holding time.
i	Insufficient spike concentration due to high analyte concentration in the sample.
j	Indicates the reported concentration is below the Reporting Limit.
k	Indicates the sample concentration was quantitated using a kerosene standard.
l	Indicates an MS/MSD was not analyzed due to insufficient sample. An LCS / LCS Duplicate provided for precision.
m	Indicates the sample concentration was quantitated using a mineral spirits standard.
o	Indicates the sample concentration was quantitated using a motor oil standard.
p	Indicates the sample was post spiked due to sample matrix.
q	Indicates MS/MSD exceeded control limits. The associated sample may exhibit similar matrix bias. All other quality control indicators are in control.
r	Indicates the sample was received past recommended holding time.
u	Indicates the sample was received improperly preserved and/or improperly contained.
uj	Indicates the result is below the Reporting Limit and is considered estimated.
z	Indicates the BOD dilution water blank depletion was between 0.2 and 0.5 mg/L.

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TestAmerica
INCORPORATED

SUBCONTRACTED LABORATORY CODES

1	MISC
75	A & L GREATLAKES LABS
175	TESTAMERICA-NASHVILLE
200	TESTAMERICA-CEDAR FALLS
250	TESTAMERICA-ORLANDO
400	TESTAMERICA-DAYTON
401	TESTAMERICA-DAYTON/NO UTC
425	EARTH EXPLORATION
430	HOOSIER MICROBIOLOGICAL LAB
440	ECCS
475	EMSL
635	TOWNSEND RESEARCH LABS
645	TRIANGLE LABS
700	TESTAMERICA-WATERTOWN

CHAIN OF CUSTODY IS ATTACHED

6964 HILLSDALE CT. / INDIANAPOLIS, IN 46250 / 317-842-4261 / FAX: 317-842-4286

TestAmerica INCORPORATED

Indianapolis Division
69640 Hillsdale Court
Indianapolis, IN 46250

Phone: 317-842-4261
Fax: 317-842-4286

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: MILBANK MANUFACTURING Client #: _____
Address: 1400 EAST HAVENS ST.
City/State/Zip Code: KOKOMO, IN 46901
Project Manager: MR. RICHARD TYLER
Telephone Number: _____ Fax: _____
Sampler Name: (Print Name) MICHAEL MILLIKAN
Sampler Signature: M E Millikan

Project Name: MONTHLY WASTEWATER
Project #: _____
Site/Location ID: _____ State: _____
Report To: MR. RICHARD TYLER
Invoice To: _____
Quote #: _____ PO#: _____

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: CBOD, CUD, TSS	N-Ammonia	Zn, Mo								REMARKS
Composite	10/10 2002	1530	C	N	WW						17		X	X	X								

Special Instructions: PLEASE COMPOSITE USING FLOW READINGS

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
M E Millikan	10/10/02	1700	[illegible]	10/10/02	1700

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 3.9 C°
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

MIL0004545

3400500014700000000000040774008

INDIANA-AMERICAN WATER CO.INC.
KOKOMO
P. O. BOX 907
RICHMOND, IN 47375-0907

ACCOUNT NUMBER	3400500014700 8
AMOUNT DUE	$407.74
DUE DATE	11-25-2002

000010798 01 AB 0.301
MILBANK MFG CO INC
P O BOX 754
KOKOMO IN 46903-0754

Please return this portion with check or money order payable to IN-AWC

INDIANA-AMERICAN WATER CO
P. O. BOX 2555
DECATUR IL 62525-2555

Service address:
1005 RANK PY

Customer Account Information

Service to: 340-05000147-00 8
MILBANK MFG CO INC
1005 RANK PY

BILLING PERIOD
Oct.03,2002 TO Nov.05,2002
Date Billed 11-08-2002
Service for 33 Days
Next Reading on/about Dec. 05

METER READING INFORMATION

* - Meter number -	031697349
Current-Actual	0276000
Prior	0258800
Cubic Feet Usage	17200
* - Meter number -	037146496
Current-Actual	000000
Prior	000000
Cubic Feet Usage	0
Total cu.ft. Usage	17200
Equivalent Gallons	129,000

Billing Summary

Prior Billing	310.97
Payments, Oct.30,2002,Thank You	310.97CR
Prior Balance Nov.07,2002	.00
Current Charges	
Water Charge	388.32
Indiana Gross Retail Tax	19.42
AMOUNT DUE	**$407.74**

MESSAGES TO YOU FROM INDIANA-AMERICAN
For questions about your bill please call 1-800-492-8373
Office Hours 7:30 a.m. to 6:30 p.m. Monday Through Friday

SAVE A STAMP & CHECK, PAY THRU XPRESSCHEQUE, FOR DETAILS CALL OFFICE

THE EXCELLENT WAY YOU HANDLE YOUR ACCOUNT IS APPRECIATED

MIL0004546

MILBANK MFG. DISHARGE LOG

SAMPLING POINT #2

DATE	START TIME	METER READING	STOP TIME	METER READING	INITIALS	COMMENTS/MAINTENANCE
10-2	8:00	634420	12:45	635410	SLH	System
10-4	7:00	635410	12:30	635410	SLH	Filter Press
10-7	7:00	635410	2:30	635410	SLH	Filter Press
10-8	10:15	635410	2:30	636970	SLH	System
10-9	8:00	636970	3:00	639770	SLH	System
10-10	7:20	639770	3:30	642540	SLH	System (Testing)
10-11	7:10	642540	10:30	642540	SLH	Filter Press
10-14	7:15	642540	1:00	642540	SLH	Filter Press
10-16	7:50	642540	3:30	645150	SLH	System } city
10-17	7:20	645150	3:30	647780	SLH	System } Testing
10-18	7:40	647780	1:45	647780	SLH	Filter Press
10-28	7:00	647780	2:30	647780	SLH	Filter Press
10-29	11:10	647780	3:30	649330	SLH	System
10-30	7:30	649330	11:20	650370	SLH	System
11-3	7:15	650370			SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	

MILBANK MANUFACTURING
WASTEWATER TREATMENT PLANT
CHEMICAL LOG

DATE	FERRIC CHLORIDE (42 be)		CALCIUM CHLORIDE FLAKES (77%)		CAUSTIC SODA (50%)		SULFURIC ACID (66 be)		WT -11		COMMENTS
	GALS USED	GALS REC.	GALS USED	GALS REC.	GALS USED	GALS REC.	GALS USED	GALS REC.	GALS USED	GALS REC.	
10-2	4GAL		150#								Filled AT 11:15
10-7		55GAL		2800#S		110 GAL					
10-8					20 GAL						Filled AT 750
10-9	4GAL		150#								Filled AT 7:20
10-9									4GAL		Filled AT 9:40
10-9	4GAL		150#								Filled AT 3:00
10-10	4GAL		150#								Filled AT 3:00
10-15									4GAL		Filled AT 3:20
10-16	4GAL		150#								Filled AT 10:50
10-17					20 GAL						Filled AT 9:00
10-17	4GAL		150#								Filled AT 11:00
10-29									4GAL		Filled At 7:40
10-29	4GAL		150#								Filled AT 10:25
10-30	4GAL		150#								Filled AT 10:50

DATE ORDERED	CHEMICAL ORDERED	AMOUNT ORDERED

Chemical Specialties

Marcus Bryant
913-661-0767

First Stage

Date	Initial	Concentration	Pressure	Temperature	pH	Replacements of drums	Clean Screens	Clean Nozzles	Comments
Ranges		1.40 – 1.80	15 – 25	120°–130°	9.5 – 11.0	Cleaner 419C	Daily	Weekly	
10-1	DKK	1.60	15	131	9.85				
10-2	DKK	1.60	15	131	9.87				
10-3	DKK	1.60	15	131	9.83				
10-4	DKK	1.60	15	130	9.94				
10-7	DKK	1.60	15	129	9.92				
10-8	DKK	2.00	15	131	10.24				
10-9	DKK	2.00	15	130	10.21				
10-10	DKK	2.00	15	130	10.08				
10-11	DKK	2.00	15	130	10.06				
10-14	DKK	2.00	15	129	9.95				
10-15	DKK	2.00	15	129	9.93				
10-16	DKK	2.00	15	130	10.00				
10-17	DKK	2.00	15	131	10.03				
10-28	DKK	1.60	15	130	9.77				
10-29	DKK	1.60	15	131	9.87				
10-30	DKK	1.60	15	131	9.94				

Chemical Specialties

Marcus Bryant
913-661-0767

Third Stage

Date	Initial	Concentration	Pressure	Temperature	pH	Replacements of drums	Clean Screens	Clean Nozzles	Comments
Ranges		1.65 – 2.31	15 – 25	120°–130°	4.0 – 5.5	Paint Lok 595	Daily	Weekly	
10-1	DKK	2.31	15	130	5.66				
10-2	DKK	2.31	15	132	5.64				
10-3	DKK	2.31	15	130	5.60				
10-6	DKK	2.31	15	129	5.87				
10-7	DKK	2.31	15	127	5.88				
10-8	DKK	2.31	15	130	5.24				
10-9	DKK	2.31	15	128	5.26				
10-10	DKK	2.31	15	129	5.06				
10-11	DKK	2.31	15	130	5.03				
10-14	DKK	2.31	15	128	5.17				
10-15	DKK	2.31	15	127	5.20				
10-16	DKK	2.31	15	1.29	5.40				
10-17	DKK	2.31	15	1.29	5.42				
10-28	DKK	2.31	15	1.30	5.80				
10-29	DKK	1.98	15	1.30	5.88				
10-30	DKK	1.98	15	1.29	5.92				

Chemical Specialties

Marcus Bryant
913-661-0767

Fifth Stage

Date	Initial	Pressure	PH Stage 5	Addition of Rinse 50 1 pint/4 hours of run time		Conductivity of Stage 5		Conductivity of Stage 2		Conductivity of Stage 4		Clean Screens	Clean Nozzles	Comments
Ranges		15 - 25	4.0 – 5.5	AM	PM	< 2000uS		< 1500uS		< 1500uS		Daily	Weekly	
						AM	PM	AM	PM	AM	PM			
10-1	DKK	15	5.1	10:20	1:20	1.74	1.46	1.29	1.52	.93	.96			
10-2	DKK	15	5.0	9:15	2:15	1.57	1.59	1.55	1.76	1.02	1.20			
10-3	DKK	15	5.0	9:50	2:30	1.63	1.70	2.13	2.25	1.53	1.26			
10-4	DKK	15	5.0	10:00	12:45	1.76	1.67	.71	.71	.53	.50			
10-7	DKK	15	5.0	11:00	2:55	1.89	1.85	1.12	1.23	.69	.69			
10-8	DKK	15	5.0	10:00	2:30	1.95	1.91	1.62	1.85	.97	1.09			
10-9	DKK	15	4.7	9:00	3:00	1.99	1.90	.77	1.08	.73	.77			
10-10	DKK	15	4.7	10:30	1:40	1.93	1.92	.94	.89	.60	.60			
10-11	DKK	15	4.9	9:00		1.94	[illegible]	1.57		.90				
10-14	DKK	15	5.8	8:30	2:30	1.97	1.83	1.78	2.17	.95	1.04			
10-15	DKK	15	5.0	9:20	2:15	2.02	1.83	2.53	1.98	1.33	1.23			
10-16	DKK	15	5.0	8:10	2:30	2.07	1.93	2.02	1.41	1.34	1.39			
10-17	DKK	15	5.0	8:45	2:25	2.07	1.80	.74	1.49	.89	.74			
10-28	DKK	15	5.0	11:00	2:30	1.88	1.88	2.79	2.84	1.54	1.63			
10-29	DKK	15	4.8	10:15	2:45	1.97	1.96	2.29	2.01	1.44	1.56			
10-30	DKK	15	4.8	7:50	2:45	1.99	1.87	1.64	1.79	1.36	1.33			

MILBANK MFG. WASTEWATER TREATMENT PLANT
PH CALIBRATION/READING LOG SHEET

TIME	DATE	BUFFER CHANGED? PH 4.00	BUFFER CHANGED PH 10.00	PROBE LOCATION	PROBE CLEANED	INITIALS	PH READING	PH CALIBRATION
7:30	10-2	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.01/9.96-10.00
7:30	10-2	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.02/9.98-9.99
11:30	10-2	Y	Y	FINAL	Y	SLH	9.48	4.00 + 10.00
7:10	10-8	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.00/9.98-10.00
7:10	10-8	Y	Y	NEUT 2	Y	SLH	4 + 10	3.96-3.99/9.98-10.01
2:20	10-8	Y	Y	FINAL	Y	SLH	9.08	4.00 + 10.00
7:10	10-9	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00 4.03/9.99-10.01
7:10	10-9	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.01/9.99-10.02
2:30	10-9	Y	Y	FINAL	Y	SLH	9.28	4.00 + 10.00
7:10	10-10	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00 4.02/10.01-10.02
7:10	10-10	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.00/9.98-10.00
1:30	10-10	Y	Y	FINAL	Y	SLH	9.53	4.00 + 10.00
7:10	10-16	Y	Y	NEUT 1	Y	SLH	4 + 10	4.01 4.02/9.99-10.00
7:10	10-16	Y	Y	NEUT 2	Y	SLH	4 + 10	3.98-4.00/9.96-9.99
2:30	10-16	Y	Y	FINAL	Y	SLH	9.60	4.00 + 10.00
7:00	10-17	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00 4.02/9.99-10.01
7:00	10-17	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.02/9.97-9.99
2:30	10-17	Y	Y	FINAL	Y	SLH	9.34	4.00 + 10.00
7:15	10-28	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00-4.01-9.98-10.00
7:15	10-29	Y	Y	NEUT 2	Y	SLH	4 + 10	3.97-4.00-9.97-9.99
3:00	10-29	Y	Y	FINAL	Y	SLH	9.49	4.00 + 10.00
7:10	10-30	Y	Y	NEUT 1	Y	SLH	4 + 10	3.97-4.00 9.96-10.00
7:10	10-30	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.00-9.98-10.01
10:30	10-30	Y	Y	FINAL	Y	SLH	9.48	4.00+10.00
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH		
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH		
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH		