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

Milbank Mfg

Year 01 Month November

Date	Flow	pH	Cd	Cr	Cu	Ni	Ag	Pb	Zn	Mo	TTO	Phenol	CN	TPH	FOG	NH3	CBOD	COD	TSS
1	3580	9.90							<.050	<0.020						0.25	<5	720	17
2																			
3																			
4																			
5																			
6	2070	9.79																	
7	230	9.42																	
8	2370	9.63																	
9	2090	9.59																	
10																			
11																			
12																			
13		9.50																	
14	2690	9.74																	
15																			
16																			
17																			
18																			
19																			
20																			
21	2340	9.84																	
22																			
23																			
24																			
25																			
26	2220	9.91																	
27																			
28																			
29																			
30																			
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	2199	9.70							<.050	<.020						0.25	<5	720	17
Maximum	3580	9.91							<.050	<.020						0.25	<5	720	17
Minimum	230	9.42							<.050	<.020						0.25	<5	720	17

Total Flow 196,500

"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 DATE 12-18-01

Authorized Company Representative

3400500014700000000000056325008

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

ACCOUNT NUMBER	3400500014700 8
AMOUNT DUE	$563.25
DUE DATE	12-27-2001

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
Nov.05,2001 TO Dec.05,2001
Date Billed 12-10-2001
Service for 30 Days
Next Reading on/about Jan. 07

METER READING INFORMATION

* - Meter number -	031697349
Current-Actual	0119500
Prior	0093300
Cubic Feet Usage	26200
* - Meter number -	037146496
Current-Actual	000000
Prior	000000
Cubic Feet Usage	0
Total cu.ft. Usage	26200
Equivalent Gallons	196,500

Billing Summary

Prior Billing	863.92
Payments, Nov.21,2001,Thank You	863.92CR
Prior Balance Dec.07,2001	.00
Current Charges	
Water Charge	536.43
Indiana Gross Retail Tax	26.82
AMOUNT DUE	**$563.25**

MIL0001104

NOV - 2001

TestAmerica
INCORPORATED

ANALYTICAL REPORT

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

11/07/2001

Job Number: 01.05724

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

Project Description: WASTEWATER ANALYSIS

Sample Number	Sample Description	Date Taken	Time Taken	Date Received
306448	MONTHLY SAMPLE	11/01/2001	15:30	11/01/2001

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.

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

11/07/2001

Job No.: 01.05724

Date Received: 11/01/2001
Job Description: WASTEWATER ANALYSIS

Sample Number / Sample I.D. Parameters	Wet Wt. Result	Flag	Sample Date/ Units	Analyst	Date & Time Analyzed	Method	Reporting Limit
306448 MONTHLY SAMPLE			11/01/2001 15:30				
CBOD - Five Day	<5	z	mg/L	lng	11/07/2001 10:05	EPA 405.1	<5.
CBOD - Five Day (PREP)	Complete			lng	11/05/2001	EPA 405.1	Complete
COD	720	d2x10	mg/L	tpd	11/06/2001 09:33	EPA 410.4	<100
Nitrogen, Ammonia Dist.	0.25		mg/L	dsp	11/06/2001 15:20	EPA 350.1	<0.10
Solids, Suspended	17		mg/L	lng	11/05/2001 09:36	EPA 160.2	<5.
Distillation, Ammonia	Complete			mhl	11/06/2001 08:30		Complete
Molybdenum, ICP	<0.020		mg/L	400	11/05/2001 19:54	EPA 200.7	<0.020
Zinc, ICP	<0.050		mg/L	400	11/05/2001 19:54	EPA 200.7	<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

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
Client #: _____
Address: _____
City/State/Zip Code: _____
Project Manager: _____
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: _____
Invoice To: _____
Quote #: _____ PO#: _____

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

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: Zn, Mo	CBOD, COD	TSS, Ammonia								REMARKS
monthly comp	2001 11/1	1530	C	N	WW						17												

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

Special Instructions:
Please composite using flow readings

Relinquished By	Date	Time	Received By	Date	Time
M E Millikan	11/1/01	17:15	[illegible]	11-1-01	17:15

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 0.8°C
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

MIL00011108

DATE: 11-1-01

MILBANK MANUFACTURING COMPANY

BEGINNING READING @ 7:00 AM 399860

TIME	METER READING	INITIAL
7:30	399910	SLH
8:00	400190	SLH
8:30	400360	SLH
9:00	400580	SLH
9:30	400810	SLH
10:00	401040	SLH
10:30	401270	SLH
11:00	401490	SLH
11:30	401720	SLH
12:00	401950	SLH
12:30	402100	SLH
1:00	402340	SLH
1:30	402630	SLH
2:00	402970	SLH
2:30	403910	SLH
3:00	403310	SLH
3:30	403440	SLH

REGULATED PARAMETERS (6)	Local Discharge Limitations (7)		Results	Date Taken	Monitoring Requirements	
	Daily Maximum (mg / L)	Monthly Average (mg / L)			Frequency	Sample Type
Cadmium (5) (CD)	0.02	0.015			Semi-Annual	Composite {2}
Total Chromium (5) (CR)	2.0	1.2			Semi-Annual	Composite {2}
Copper (5) (CU)	0.6	0.4			Semi-Annual	Composite {2}
Cyanide (5) (CA)	0.5	0.3			Semi-Annual	Grab
Lead (5) (PB)	0.1	0.06			Semi-Annual	Composite {2}
Nickel (5) (NI)	0.8	0.5			Semi-Annual	Composite {2}
Silver (5) (AG)	0.24	0.15			Semi-Annual	Composite {2}
Zinc (5) (ZN)	1.25	0.75	<0.050	11-01-01	1 X Month	Composite {2}
Molybdenum (5) (MO)	Monitor and Report		<0.020	11-01-01	1 X Month	Composite {2}
PH	6-10 (Std. Units)	---------			Daily	Grab
CBOD (4)	Monitor and Report		<5	11-01-01	1 X Month	Composite {2}
COD (4)	Monitor and Report		720	11-01-01	1 X Month	Composite {2}
TSS (4)	Monitor and Report		17	11-01-01	1 X Month	Composite {2}
Ammonia-N (4) (NH3)	Monitor and Report		0.25	11-01-01	1 X Month	Composite {2}
TPH (Oil & Grease Hydrocarbons)	Monitor and Report				Semi-Annual	Grab
Fats, Oils & Grease (8) (FOG)	100	--------			Semi-Annual	Grab
Flow	--------	--------			Daily (3)	
TTO	2.13	--------			Semi-Annual	Grab
Phenol	0.50	--------			Semi-Annual	Grab

*** The above listed discharge limitations and monitoring requirements are minimum requirements necessary to achieve compliance. Nothing in the permit shall prevent MMCI from exceeding the requirements of this table.**

MILBANK MFG. DISHARGE LOG

SAMPLING POINT #2

DATE	START TIME	METER READING	STOP TIME	METER READING	INITIALS	COMMENTS/MAINTENANCE
11-1	7:00	399860	3:30	403440	SLH	SYSTEM TEST
11-2	7:00	403440	3:30	403440	SLH	FILTER PRESS
11-5	7:00	403440	3:30	403440	SLH	FILTER PRESS
11-6	7:00	403440	3:30	405510	SLH	SYSTEM
11-7	8:20	405510	9:30	405740	SLH	SYSTEM
11-8	8:30	405740	2:15	408110	SLH	SYSTEM
11-9	7:00	408110	1:15	410200	SLH	SYSTEM
11-12	7:00	410200	3:00	410200	SLH	FILTER PRESS
11-13	7:00	410200	11:15	410200	SLH	SYSTEM
11-14	7:00	410200	3:00	412890	SLH	SYSTEM
11-19	7:00	412890	12:40	412890	SLH	FILTER PRESS
11-20	7:00	412890	10:30	412890	SLH	SYSTEM
11-21	7:00	412890	3:00	415230	SLH	SYSTEM
11-26	7:00	415230	3:00	417450	SLH	SYSTEM
11-27	7:00	417450	12:45	417450	SLH	FILTER PRESS
11-30	7:00	417450	11:00	417450	SLH	FILTER PRESS
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	

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
7:00	11-1	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00-4.02/9.96-9.99
7:00	11-1	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.03/9.97-9.99
1:00	11-1	Y	Y	FINAL	Y	SLH	9.90	4.00 + 10.00
7:00	11-6	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.03/9.99-10.04
7:00	11-6	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.05/9.96-9.99
2:30	11-6	Y	Y	FINAL	Y	SLH	9.79	4.00 + 10.00
8:20	11-7	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00-4.03/9.99-10.02
8:20	11-7	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.05/9.97-9.99
9:00	11-7	Y	Y	FINAL	Y	SLH	9.42	4.00 + 10.00
8:30	11-8	Y	Y	NEUT 1	Y	SLH	4 + 10	3.97-4.00/9.99-10.02
8:30	11-8	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.02/9.96-9.99
2:10	11-8	Y	Y	FINAL	Y	SLH	9.63	4.00/10.00
7:00	11-9	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00-4.05/9.99/10.02
7:00	11-9	Y	Y	NEUT 2	Y	SLH	4 + 10	3.97-4.00/9.96-9.99
10:00	11-9	Y	Y	FINAL	Y	SLH	9.59	4.00/10.00
7:00	11-13	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00/4.02/9.98-9.99
7:00	11-13	Y	Y	NEUT 2	Y	SLH	4 + 10	3.97-4.00/9.99-10.02
10:00	11-13	Y	Y	FINAL	Y	SLH	9.50	4.00 + 10.00
7:00	11-14	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.00/9.99-10.03
7:00	11-14	Y	Y	NEUT 2	Y	SLH	4 + 10	3.97-4.00/9.97-10.00
11:30	11-14	Y	Y	FINAL	Y	SLH	9.74	4.00 + 10.00
7:00	11-20	Y	Y	NEUT 1	YO	SLH	4 + 10	4.00-4.02/9.97-10.00
7:00	11-20	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.02/9.95/9.99
	11-20	Y	Y	FINAL	Y	SLH		4.00 - 10.00
7:00	11-21	Y	Y	NEUT 1	Y	SLH	4 + 10	3.97-4.02/9.99-10.01
7:00	11-21	Y	Y	NEUT 2	Y	SLH	4 + 10	4.01-4.06/9.97-10.00
11:00	11-21	Y	Y	FINAL	Y	SLH	9.84	4.00 - 10.00
7:00	11-26	Y	Y	NEUT 1	Y	SLH	4 + 10	3.97-4.00/9.99/10.03
7:00	11-26	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.04/9.97/10.02
2:00	11-26	Y	Y	FINAL	Y	SLH	9.91	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		

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.	
11-2										55GAL	
11-6	4GAL		150#								Filled 7:10 AM
11-6	~~4GAL~~		ø						4GAL		Filled 3:00 PM
11-6	4GAL		150#								Filled 3:20 PM
11-7	4GAL		150#								Filled 3:00 PM
11-8					20GAL						Filled 2:15 PM
11-9	4GAL		150#								Filled 10:15 AM
11-14	4GAL		150#								Filled 10:05 AM
11-14									4GAL		Filled 10:15 AM
11-20	4GAL		150#								Filled 3:15 PM
11-26	4GAL		150#								Filled 7:45 AM
11-26									4GAL		Filled 9:10 AM

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	
11-5	DKK	2.00	15	121	9.81				
11-6	DKK	2.00	15	123	9.80				
11-7	DKK	2.00	15	120	9.83				
11-8	DKK	2.00	15	119	9.81				
11-9	DKK	2.00	15	117	9.84				
11-12	DKK	2.00	15	117	9.87				
11-13	DKK	2.00	15	119	9.91				
11-14	DKK	2.00	15	121	9.97				
11-15	DKK	2.00	15	120	10.08				
11-16	DKK	2.00	15	118	10.15				
11-19	DKK	2.00	15	117	10.13				
11-20	DKK	200	15	121	10.11				
11-26	DKK	2.00	15	120	10.07				
11-27	DKK	2.00	15	119	9.98				
11-29	DKK	200	15	119	9.95				
11-30	DKK	200	15	121	9.91				

Chemical Specialties

Third Stage

Marcus Bryant
913-661-0767

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	
11-5	DKK	2.31	15	118	4.81				
11-6	DKK	231	15	117	4.80				
11-7	DKK	231	15	120	4.82				
11-8	DKK	2.31	15	117	4.81				
11-9	DKK	2.31	15	119	4.75				
11-12	DKK	2.31	15	118	4.70				
11-13	DKK	2.31	15	119	4.64				
11-14	DKK	2.31	15	116	4.59				
11-15	DKK	2.31	15	119	4.52				
11-16	DKK	2.31	15	118	4.52				
11-19	DKK	2.31	15	116	4.40				
11-20	DKK	2.31	15	119	4.41				
11-26	DKK	2.31	15	117	4.39				
11-27	DKK	2.31	15	119	4.35				
11-29	DKK	2.31	15	116	4.33				
11-30	DKK	2.31	15	118	4.31				

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			
11-5	DKK	15	5.0	8:30	1:15	1.72	1.73	1.40	1.45	.81	.87			
11-6	DKK	15	5.1	7:20	2:20	1.71	1.69	1.19	1.20	.90	.94			
11-7	DKK	15	5.1	10:00	1:00	1.72	1.72	1.35	1.27	.97	.95			
11-8	DKK	15	5.0	9:00	1:30	1.71	1.72	.67	.79	.60	.69			
11-9	DKK	15	5.1	10:30	1:45	1.63	1.67	.80	.91	1.14	1.18			
11-12	DKK	15	5.1	7:45	1:50	1.64	1.69	.97	1.15	1.10	1.08			
11-13	DKK	15	5.0	7:50	1:35	1.61	1.67	1.25	1.30	1.00	.93			
11-14	DKK	15	5.1	8:10	2:15	1.69	1.72	1.39	1.42	.90	.96			
11-15	DKK	15	5.0	7:15	12:35	1.67	1.70	.71	.80	.60	.64			
11-16	DKK	15	5.1	7:30	12:50	1.68	1.70	.85	.90	.61	.66			
11-19	DKK	15	5.1	10:15	12:40	1.79	1.81	1.91	1.86	1.11	1.19			
11-20	DKK	15	5.1	7:45	12:35	1.77	1.80	1.80	1.66	1.19	1.20			
11-21	DKK	15	5.1	8:05		1.96		.85		1.22				
11-26	DKK	15	5.0	7:50	2:10	1.71	1.69	.87	.90	1.25	1.30			
11-27	DKK	15	5.1	7:10	2:25	1.73	1.77	.89	.92	1.31	1.42			
11-29	DKK	15	5.1	7:30	1:50	1.75	1.79	.90	.99	1.39	1.45			
11-30	DKK	15	5.1	7:15	12:45	1.71	1.74	.68	.69	.69	.71			