SEP 04 2001

TestAmerica
INCORPORATED

ANALYTICAL REPORT

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

08/29/2001

Job Number: 01.04202

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
300065	MONTHLY SAMPLE	08/09/2001	06:30	08/10/2001

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

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ANALYTICAL REPORT

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

08/29/2001

Job No.: 01.04202

Date Received: 08/10/2001
Job Description: WASTEWATER ANALYSIS

Sample Number / Sample I.D. Parameters	Wet Wt. Result	Flag	Sample Date/ Units	Analyst	Date & Time Analyzed	Method	Reporting Limit
300065 MONTHLY SAMPLE			08/09/2001 06:30				
CBOD - Five Day	<5	z	mg/L	rlm	08/15/2001 09:00	EPA 405.1	<5.
CBOD - Five Day (PREP)	Complete			rlm	08/10/2001 14:00	EPA 405.1	Complete
COD	<500	d2x10	mg/L	tpd	08/14/2001 10:18	EPA 410.4	<500
Nitrogen, Ammonia Dist.	2.4		mg/L	cdk	08/15/2001 07:14	EPA 350.1	<0.10
Solids, Suspended	77		mg/L	mhl	08/13/2001 15:45	EPA 160.2	<5.
Distillation, Ammonia	Complete			cdk	08/14/2001 10:30		Complete
Molybdenum, ICP	<0.050		mg/L	175	08/15/2001	EPA 200.7	<0.050
Zinc, ICP	<0.020		mg/L	175	08/15/2001	EPA 200.7	<0.020

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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.

TestAmerica INCORPORATED

Division/Laboratory Name: Indianapol ision

To assist us in using the proper analytical methods is this work being conducted for regulatory pur ?
Compliance Monitoring Yes No
Enforcement Action Yes No

Client Name: Milbank
Client #:
Address: 1400 East Havens Street
City/State/Zip Code: Kokomo, IN 56901-3188
Project Manager: Mr. Richard Tyler
Telephone Number: 765-452-5694
Fax:
Sampler Name: (Print Name) Todd Hinkle
Sampler Signature: M. Todd Hinkle

Report To: Mr. Richard Tyler
Invoice To:
Quote #: 98.0060
PO#:
Project Name: Monthly Wastewater
Project #:
Site/Location ID:
State: IN

TAT
___ Standard
___ Rush (surcharges may apply)
___ Other:
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 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Analyze For: CBOD, COD, TSS,	Ammonia, Mo, Zn									REMARKS
Monthly - Comp	8/9/01	6:30a	C	N	WW						17		X	X									Composite samples

Special Instructions:
********PLEASE COMPOSITE USING FLOW READINGS ATTACHED********

Relinquished By: M. Todd Hinkle	Date: 8/9	Time: 6:35	Received By: [signature]	Date: 8/10	Time: 1000
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp: 2.0°C
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

MIL0003654

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

Milbank Mfg

Year 01 Month AUGUST

Date	Flow	pH	Cd	Cr	Cu	Ni	Ag	Pb	Zn	Mo	TTO	Phenol	CN	TPH	FOG	NH3	CBOD	COD	TSS
1	2420	9.67																	
2	2770	9.46																	
3																			
4																			
5																			
6																			
7	750	9.44																	
8	2110	9.52																	
9	3020	9.53							<.020	<.050						2.4	<5	<500	77
10	2230	9.66																	
11																			
12																			
13																			
14																			
15	2300	9.62																	
16																			
17																			
18																			
19																			
20																			
21																			
22	2220	9.57																	
23	~~500~~																		
24	510	9.53																	
25																			
26																			
27																			
28																			
29	2280	9.58																	
30	2420	9.60																	
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	2094	9.56							<.020	<.050						2.4	<5	<500	77
Maximum	3020	9.67							<.020	<.050						2.4	<5	<500	77
Minimum	510	9.44							<.020	<.050						2.4	<5	<500	77

Total Flow 22,700 cu. ft

"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 Iglin

Authorized Company Representative

DATE 9-18-01

23,030

MIL0003655

MILBANK MFG. DISHARGE LOG

SAMPLING POINT #2

DATE	START TIME	METER READING	STOP TIME	METER READING	INITIALS	COMMENTS/MAINTENANCE
8-1-01	7:00	337330	2:00	339750	SLH	System
8-2-01	7:00	339750	2:00	342520	SLH	System
8-3-01	7:00	342520	1:30	342520	SLH	Filter-press
8-7-01	7:00	342520	12:30	343270	SLH	System
8-8-01	7:00	343270	2:00	345380	SLH	System
8-9-01	6:00	345380	2:30	348400	SLH	System/monthly testing
8-10-01	7:00	348400	2:00	350630	SLH	System
8-15-01	7:00	350630	2:30	352930	SLH	SYSTEM
8-22-01	7:00	352930	2:00	355150	SLH	System
8-23-01	7:00	355150	10:00	355150	SLH	Filter-press
8-23-01	10:00	355150	2:00	355150	SLH	Filter-press
8-24-01	6:30	355150	10:30	355660	SLH	System
8-29-01	7:00	355660	3:00	357940	SLH	SYSTEM
8-30-01	7:00	357940	3:00	360360	SLH	SYSTEM
8-31-01	7:00	360360	3:15	360360	SLH	FILTER PRESS
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	
					SLH	

3400500014700000000000050277009

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

ACCOUNT NUMBER	3400500014700 8
AMOUNT DUE	$502.77
DUE DATE	09-28-2001

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
Aug.06,2001 TO Sep.06,2001
Date Billed 09-11-2001
Service for 31 Days
Next Reading on/about Oct. 05

METER READING INFORMATION

*&- Meter number -	031697349
Current-Actual	0010800
Set	0000100
Out	1843100
Prior	1831100
Cubic Feet Usage	22700
*- Meter number -	037146496
Current-Actual	000000
Prior	000000
Cubic Feet Usage	0

Billing Summary

Prior Billing	454.39
Payments, Aug.21,2001,Thank You	454.39CR
Prior Balance Sep.10,2001	.00
Current Charges	
Water Charge	478.83
Indiana Gross Retail Tax	23.94
AMOUNT DUE	$502.77

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	8-1-01	Y	Y	NEUT 1	Y	SLH	4 + 10	9.98-10.00 / 4.01-4.03
7:00	8-1-01	Y	Y	NEUT 2	Y	SLH	4 + 10	9.98-9.99 / 4.00-4.02
8:00	8-1-01	Y	Y	FINAL	Y	SLH	9.67	4.00 / 10.00
7:00	8-2-01	Y	Y	NEUT 1	Y	SLH	4 + 10	[illegible] 4.00-4.01 / 9.98-10.00
7:00	8-2-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.02 / 9.99-10.00
8:00	8-2-01	Y	Y	FINAL	Y	SLH	9.46	4.00 / 10.00
7:00	8-7-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00-4.01 / 9.99-10.01
7:00	8-7-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.02 / 9.99-10.00
12:30	8-7-01	Y	Y	FINAL	Y	SLH	9.44	4.00 / 10.00
6:30	8-8-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.01-4.03 / 9.98-10.01
6:30	8-8-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.01-4.02 / 9.99-10.01
8:30	8-8-01	Y	Y	FINAL	Y	SLH	9.52	4.00-10.00
6:00	8-9-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.98-3.99 / 9.98-10.00
6:00	8-9-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.97-3.99 / 9.97-9.99
8:15	8-9-01	Y	Y	FINAL	Y	SLH	9.53	4.00 / 10.00
7:00	8-10-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.98-3.99 / 9.98-9.99
7:00	8-10-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.01-4.02 / 9.97-9.98
7:45	8-10-01	Y	Y	FINAL	Y	SLH	9.60	4.00 / 10.00
7:00	8-15-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.98-3.99 / 9.98-9.99
7:00	8-15-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.00 - 9.99-10.00
8:00	8-15-01	Y	Y	FINAL	Y	SLH	9.62	4.00 / 10.00
7:00	8-22-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00-4.02 / 9.98-9.99
7:00	8-22-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.01-4.03 / 9.97-9.98
10:30	8-22-01	Y	Y	FINAL	Y	SLH	9.57	4.00 / 10.00
6:30	8-24-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.01-4.03 / 9.99-10.01
6:30	8-24-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.00 / 9.98-10.00
8:30	8-24-01	Y	Y	FINAL	Y	SLH	9.53	4.00 / 9.99-10.00
7:00	8-29-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99 / 4.00 / 10.00
7:00	8-29-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99 / 4.00 / 9.99-10.00
2:10	8-29-01	Y	Y	FINAL	Y	SLH	9.58	4.00 / 10.00
9:00	8-30-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.98 / 4.03 9.97 / 9.99
7:00	8-30-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.97 / 4.02 9.98-10.01
1:35	8-30-01	Y	Y	FINAL	Y	SLH	9.60	4.00 / 10.00

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.	
8-2-01	4gal		150#'s								Filled @ 7:00
8-2-01					200gal						Filled @ 7:00
8-7-01	4gal		150#'s								Filled @ 7:00AM
8-7-01									4gal		Filled @ 9:30AM
8-8-01	4gal		150#'s								Filled @ 11:20AM
8-9-01	4gal		150#'s								Filled @ 10:30AM
8-14-01									4gal		Filled @ 7:00AM
8-10-01	4gal		150#'s								Filled @ 11:00
8-15-01	4GAL		150#								
8-22-01									4gal		Filled @ 10:15AM
8-22-01	4gal		150#'s								Filled @ 12:30PM
8-23-01					200gal						Filled @ 6:05AM
8-29-01	4GAL		150#								FILLED 12:50 PM
8-30-01	4GAL		150#						4GAL		FILLED 11:15 AM
9-4-01	4GAL		150#								~~FILLED 11:15 AM~~
-01	4GAL		150#						4GAL		~~FILLED 7:30 AM~~
9-11	[redacted]		[redacted]		200GAL				[redacted]		~~FILLED 8:10 AM~~
9-11	4GAL		150#								~~FILLED 10:00 AM~~
9-11									4GAL		~~FILLED 10:15 AM~~
9-12	4GAL										~~FILLED 11:20 AM~~
9-13									4GAL		~~FILLED 1:12 PM~~

DATE ORDERED	CHEMICAL ORDERED	AMOUNT ORDERED

DATE: 9-13-01

MILBANK MANUFACTURING COMPANY

BEGINNING READING @ 7:00 AM 369900

TIME	METER READING	INITIAL
7:30	369990	SLH
8:00	370130	SLH
8:30	370270	SLH
9:00	370410	SLH
9:30	370560	SLH
10:00	370700	SLH
10:30	370820	SLH
11:00	370990	SLH
11:30	371130	SLH
12:00	371290	SLH
12:30	371410	SLH
1:00	371550	SLH
1:30	371650	SLH
2:00	371790	SLH
2:30	371810	SLH
3:00	371960	SLH
3:30	372030	SLH

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	
8-1	DKK	1.80	15	120	10.12				
8-2	DKK	1.80	15	121	10.19				
8-3	DKK	1.80	15	121	10.21				
8-7	DKK	1.80	15	122	10.23				
8-8	DKK	1.80	15	120	10.12				
8-9	DKK	2.00	15	124	10.17				
8-10	DKK	2.00	15	126	10.16				
8-13	DKK	2.00	15	123	10.18				
8-14	DKK	2.00	15	125	10.19				
8-15	DKK	2.00	15	121	10.17				
8-16	DKK	2.00	15	122	10.15				
8-17	DKK	2.00	15	122	10.16				
8-20	DKK	2.00	15	119	10.14				
8-21	DKK	2.00	15	117	10.12				TANK CLEANED
8-27	DKK	2.20	15	112	11.28				
8-28	DKK	2.00	15	118	10.03				
8-29	DKK	2.00	15	122	10.17				
8-30	DKK	2.00	15	117	10.19				
8-31	DKK	2.00	15	118	10.22				

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	
8-1	DKK	2.31	15	116	5.04				
8-2	DKK	2.31	15	113	5.01				
8-3	DKK	2.31	15	115	4.90				
8-7	DKK	2.31	15	119	4.97				
8-8	DKK	2.31	15	116	4.96				
8-9	DKK	2.31	15	118	4.98				
8-10	DKK	2.31	15	119	4.98				
8-13	DKK	2.31	15	117	4.95				
8-14	DKK	2.31	15	116	4.99				
8-15	DKK	2.31	15	115	5.01				
8-16	DKK	2.31	15	116	5.05				
8-17	DKK	2.31	15	113	5.20				
8-20	DKK	2.31	15	114	5.23				
8-21	DKK	2.31	15	113	5.25				
8-27	DKK	1.98	15	112	5.29				
8-28	DKK	2.31	15	115	5.01				
8-29	DKK	2.31	15	120	4.65				
8-30	DKK	2.31	15	117	4.60				
8-31	DKK	2.31	15	119	4.62				

Fifth Stage

Chemical Specialties

Marcus Bryant
913-661-0767

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			
8-1	DKK	15	5.1	9:20		1.75	1.74	.76	.70	.57	.58			
8-2	DKK	15	5.1	9:45		1.85	1.81	.79	.73	.65	.55			
8-3	DKK	15	5.1		12:55		1.66		1.06		.49			
8-7	DKK	15	5.1	8:40		1.75	1.83	1.53	1.79	.65	.65			
8-8	DKK	15	5.1		1:05	1.64	1.91	.62	.73	.56	.59			
8-9	DKK	15	5.1	8:40		1.79	1.64	.67	.67	.58	.51			
8-10	DKK	15	5.1	10:05	[redacted]	1.83		.71		.50				
8-13	DKK	15	5.1		1:35	[redacted]	1.76		1.06		.49			
8-14	DKK	15	5.1		1:25	1.88	1.78	1.34	1.44	.47	.52			
8-15	DKK	15	5.1	7:30		1.74	1.76	[redacted]	.68	.57	.46			
8-16	DKK	15	5.1	10:45	[redacted]	1.75	1.70	.82	.90	.46	.47			
8-17	DKK	15	5.1	10:20		1.78	1.73	1.06	1.03	.47	.47			
8-20	DKK	15	5-1	9:15		1.75	1.72	1.18	1.05	.50	.50			
8-21	DKK	15	5-1	10:40		1.85	1.83	1.58	1.60	.68	.68			
8-27	DKK	15	5-1	9:10		1.47	1.44	1.28	1.31	.75	.75			
8-28	DKK	15		7:45		1.51		1.88		.93				
8-29	DKK	15	5-1	7:30	1:35	1.35	1.45	[redacted]	.61	.65	.57			
8-30	DKK	15	5-1	9:15	12:25	1.71	1.42	.86	.96	.51	.64			
8-31	DKK	15	5-1	8:15	1:05	1.62	1.48	1.22	1.31	.64	.65			