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

Milbank Mfg — Year 01 Month MAY

Date	Flow	pH	Cd	Cr	Cu	Ni	Ag	Pb	Zn	Mo	TTO	Phenol	CN	TPH	FOG	NH3	CBOD	COD	TSS
1	1550	9.45																	
2	1900	9.73																	
3	2980	9.44							<.20	<.10						<.10	17	270	55
4	2630	9.59																	
5																			
6																			
7																			
8	1750	9.68																	
9	2680	9.70																	
10	2800	9.67																	
11																			
12																			
13																			
14	1760	9.74																	
15	2940	9.79																	
16	2790	9.75																	
17	1830	9.70																	
18																			
19																			
20																			
21																			
22	1030	9.55																	
23																			
24	2340	9.46																	
25																			
26																			
27																			
28																			
29	2260	9.40																	
30	2450	9.66																	
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	2246	9.62							<.20	<.10						<.10	17	270	55
Maximum	2980	9.79							<.20	<.10						<.10	17	270	55
Minimum	1030	9.40							<.20	<.10						<.10	17	270	55

Total Flow 126,000

"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 — Plant Mgr — DATE 06-13-01

Authorized Company Representative

MIL0003604

3400500014700000000000000400820 05

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

ACCOUNT NUMBER	3400500014700 8
AMOUNT DUE	$400.82
DUE DATE	06-25-2001

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

MILBANK MFG CO INC
P O BOX 754
KOKOMO IN 46903-0754

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
May 04,2001 TO Jun.05,2001
Date Billed 06-08-2001
Service for 32 Days
Next Reading on/about Jul. 06

METER READING INFORMATION

* - Meter number -	031814559
Current-Actual	1792900
Prior	1776100
Cubic Feet Usage	16800
* - Meter number -	037146496
Current-Actual	000000
Prior	000000
Cubic Feet Usage	0
Total cu.ft. Usage	16800
Equivalent Gallons	126,000

Billing Summary

Prior Billing	331.71
Payments, May 30,2001,Thank You	331.71CR
Prior Balance Jun.07,2001	.00
Current Charges	
Water Charge	381.73
Indiana Gross Retail Tax	19.09
AMOUNT DUE	**$400.82**

MIL0003605

SPECIAL WASTE DISPOSAL NOTIFICATION

PROFILE NUMBER 394323 Rev. Date: 10/15/98

GENERATOR INFORMATION

Generator Name: Milbank Manufacturing Technical Contact: Roger Glendening

(Location of Waste)

Street Address: 1400 E. Havens

City/Town: Kokomo State: IN Zip: 46901-3184

Emergency Response Phone Number: 765/452.5694 Origin of Waste (by County): Howard

WASTE INFORMATION

Waste Name	Certification No. (if applicable)	Verification No. (if applicable)	Profile Expiration	Category A or B
WWT Filter Cake	80144	N/A	07/30/01	N/A

Please check the appropriate box (to be completed by Generator)

✓ No changes have been made to any relevant raw material or to the waste generating process since the last shipment of the waste.

( ) 1 The following change to a relevant raw material or to the waste generating process has occurred since the last shipment of the waste. I have determined that the change could not have led to a change in regulatory status, and I did not repeat the waste determination for this waste. (Describe change here)_____

( ) 1 The following change to a relevant raw material or to the waste generating process has occurred since the last shipment of the waste. I have repeated the waste determination and have determined that this change did not cause a change in regulatory status. (Describe change here)_____

( ) 1 The following change to a relevant raw material or to the waste generating process has occurred since the last shipment of the waste. I have repeated the waste determination and have determined that this change caused a change in the regulatory status of the waste. I have received from the owner, operator, or permittee of the MSWLF unit or non-MSWLF unit an updated verification notice that reflects the change in regulatory status. **(describe change below)** (please use additional paper if necessary).

I hereby certify that the above information is true and accurate to the best of my knowledge.

Rich and Tyler PLANT MGR. Richard Tyler 5-24-01

Name (print or type) and Title Signature Date (MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Oak Ridge FP Number: 09-2

Amount:_____

Authorized Signature Date (MM/DD/YY)

1 – If a change is made in the waste process or raw materials and the waste is being shipped under a current Certification Number, attach documentation from IDEM acknowledging acceptability of the change under that Certification. Indiana regulations 329 IAC 10-8.1-9(I) prohibits further disposal of the waste unless such documentation is provided.

Pursuant to Solid Waste Rule 329 IAC 10-28-21 (Facility responsibility for special waste disposal), 329 IAC 10-8.1-7(d) (The special waste verification process; generator responsibilities), 329 IAC 10-8.1-9 (The special waste certification process; generator responsibilities) and 329 IAC 10-8.1-5(f), all special waste delivered for disposal shall be accompanied by a disposal notification. Regulatory citations require generators to provide the disposal facility or processing facility with a written disposal notification for each load of special waste to be disposed. The solid waste disposal/processing facility shall check each load of special waste with the information provided on this form with the Special Waste Certification or the Special Waste Verification Notice. An original signature must appear on the disposal notification for the first load of the waste. The signature on the disposal notifications for subsequent loads of the same waste may be photocopied; however, these photocopied signatures will be considered to have the same authority as original signature.

WASTE MANAGEMENT

WASTE MANAGEMENT - CENTRAL INDIANA
P.O. Box 446
740 N. Ohio
Kokomo, IN 46903-0446

SERVICE TICKET AGREEMENT/NON-HAZARDOUS WASTES

ORDER NUMBER	SERVICE DATE
11872	5/25/01
TIME IN	TIME OUT
8:08	8:18
ROUTE ID	DISPOSAL ID / DISPOSAL TICKET
	OR
SIGNATURE	COD AMOUNT
406099	

DIVISION NUMBER
ACCOUNT NUMBER
SERVICE TYPE

CUSTOMER: Milbanks RD
ADDRESS: E. Haven
CITY: Kokomo

ACTION	ORD QTY	SERVICE DESCRIPTION	WASTE TYPE	BILL CODE	MEASURE	BILL QUANTITY	AMOUNT
	10 yd	Special Waste WWT Filter cake EHR					

COMMENTS

SERVICES ACCEPTED SUBJECT TO THE TERMS AND CONDITIONS ON THE REVERSE SIDE AND PAYMENT AGREED TO BE MADE IN ACCORDANCE WITH THE CONTRACTOR'S CURRENT RATE SCHEDULE.

CUSTOMER SIGNATURE _____ CONTRACTOR SIGNATURE John Dunivan

CUSTOMER COPY

WM 213 CIMS

MIL0003607

TestAmerica
INCORPORATED

MAY 21 2001

ANALYTICAL REPORT

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

05/15/2001

Job Number: 01.02281

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
292187	MONTHLY - COMP	05/03/2001	15:30	05/04/2001

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 Court Indianapolis IN 46250 317.842.1264 Fax 317.842.1286 800.485.0201

TestAmerica
INCORPORATED

MAY 21 2001

ANALYTICAL REPORT

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

05/15/2001

Job No.: 01.02281

Date Received: 05/04/2001
Job Description: WASTEWATER ANALYSIS

Sample Number / Sample I.D. Parameters	Wet Wt. Result	Flag	Sample Date/ Units	Analyst Date & Time Analyzed	Method	Reporting Limit
292187 MONTHLY - COMP			05/03/2001 15:30			
CBOD - Five Day	17	z	mg/L	rlm 05/09/2001 09:00	EPA 405.1	<5.
CBOD - Five Day (PREP)	Complete			rlm 05/04/2001 14:30	EPA 405.1	Complete
COD	270	d2x5	mg/L	tpd 05/09/2001 09:42	EPA 410.4	<250
Nitrogen, Ammonia Dist.	<0.10		mg/L	cdk 05/15/2001 11:54	EPA 350.1	<0.10
Solids, Suspended	55		mg/L	mhl 05/07/2001 13:00	EPA 160.2	<5.
Distillation, Ammonia	Complete			rlm 05/14/2001 14:30		Complete
Molybdenum, ICP	<0.10		mg/L	out 05/09/2001	EPA 200.7	<0.100
Zinc, ICP	<0.20	d2x10	mg/L	out 05/09/2001	EPA 200.7	<0.20

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

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 (2001)	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, N-Ammonia	REMARKS
monthly-comp	5/3	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	5/4/01	1415	[illegible]	5/4/01	14:15

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 4.8°C
Custody Seals: Y N (N/A)
Bottles Supplied by TestAmerica: (Y) N
Method of Shipment: TESTAMERICA

MIL0003611

DATE: May 3rd, 2021

MILBANK MANUFACTURING COMPANY

BEGINNING READING @ 7:00 AM 254630

TIME	METER READING	INITIAL
7:30	254820	SLH
8:00	255010	SLH
8:30	255200	SLH
9:00	255390	SLH
9:30	255580	SLH
10:00	255770	SLH
10:30	255920	SLH
11:00	256110	SLH
11:30	256300	SLH
12:00	256490	SLH
12:30	256620	SLH
1:00	256810	SLH
1:30	257000	SLH
2:00	257190	SLH
2:30	257360	SLH
3:00	257500	SLH
3:30	257610	SLH

REGULATED PARAMETERS (6)	Local Discharge Limitations (7)		Monitoring Requirements	
	Daily Maximum (mg/L)	Monthly Average (mg/L)	Frequency	Sample Type
Cadmium (5)	0.02	0.015	Semi-Annual	Composite {2}
Total Chromium (5)	2.0	1.2	Semi-Annual	Composite {2}
Copper (5)	0.6	0.4	Semi-Annual	Composite {2}
Cyanide (5)	0.5	0.3	Semi-Annual	Grab
Lead (5)	0.1	0.06	Semi-Annual	Composite {2}
Nickel (5)	0.8	0.5	Semi-Annual	Composite {2}
Silver (5)	0.24	0.15	Semi-Annual	Composite {2}
Zinc (5)	**1.25**	**0.75**	**1 X Month**	**Composite {2}**
Molybdenum (5)	**Monitor and Report**		**1 X Month**	**Composite {2}**
PH	6-10 (Std. Units)	---------	Daily	Grab
CBOD7 (4)	**Monitor and Report**		**1 X Month**	**Composite {2}**
COD (4)	**Monitor and Report**		**1 X Month**	**Composite {2}**
TSS (4)	**Monitor and Report**		**1 X Month**	**Composite {2}**
Ammonia N (4)0	**Monitor and Report**		**1 X Month**	**Composite {2}**
TPH	Monitor and Report		Semi-Annual	Grab
Fats, Oils & Grease (8)	100	---------	Semi-Annual	Grab
Flow	----------	---------	Daily (3)	
TTO	2.13	---------	Semi-Annual	Grab
Phenol	0.50	---------	Semi-Annual	Grab

DATE: May 3rd, 2001

PLEASE TEST FOR THE FOLLOWING ITEMS HIGHTLIGHTED ABOVE.....

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	<0.20	5-3-01	1 X Month	Composite {2}
Molybdenum (5) (MO)	Monitor and Report		<0.10	5-3-01	1 X Month	Composite {2}
PH	6-10 (Std. Units)	--------			Daily	Grab
CBOD (4)	Monitor and Report		17	5-3-01	1 X Month	Composite {2}
COD (4)	Monitor and Report		270	5-3-01	1 X Month	Composite {2}
TSS (4)	Monitor and Report		55	5-3-01	1 X Month	Composite {2}
Ammonia-N (4) (NH3)	Monitor and Report		<0.10	5-3-01	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
5-1-01	7:45	251180	12:00	252730	SLH	System
5-2-01	7:30	252730	2:30	254630	SLH	System
5-3-01	7:00	254630	3:30	257610	SLH	System / Jeastery
5-4-01	7:20	257610	3:00	260240	SLH	System
5-7-01	6:45	260240	10:00	260240	SLH	Filter-press > no overflow
5-7-01	10:00	260240	12:30	260240	SLH	Filter-press > no overflow
5-7-01	12:30	260240	3:00	260240	SLH	Filter-press > no overflow
5-8-01	7:00	260240	3:00	261990	SLH	System
5-9-01	7:30	261990	3:00	264670	SLH	System
5-10-01	7:30	264670	3:00	267470	SLH	System
5-11-01	6:45	267470	9:00	267470	SLH	Filter-press- no overflow
5-11-01	9:00	267470	11:00	267470	SLH	Filter, press- no overflow
5-11-01	11:00	267470	1:00	267470	SLH	Filter-press-no overflow
5-11-01	1:00	267470	3:00	267470	SLH	Filter-press-no overflow
5-14-01	7:15	267470	3:00	269230	SLH	System
5-15-01	7:15	269230	3:00	272170	SLH	System
5-16-01	7:15	272170	3:00	274960	SLH	System
5-17-01	7:15	274960	3:00	276790	SLH	System
5-18-01	6:45	276790	8:45	276790	SLH	Filter-press > no overflow
5-18-01	8:45	276790	10:45	276790	SLH	Filter-press > no overflow
5-18-01	10:45	276790	12:45	276790	SLH	Filter-press > no overflow
5-18-01	12:45	276790	2:45	276790	SLH	Filter-press > no overflow
5-21-01	7:00	276790	8:15	276790	SLH	Filter-press > no overflow
5-22-01	7:15	276790	2:00	277820	SLH	System
5-24-01	8:00	277820	3:00	280160	SLH	System
5-29-01	7:30	280160	2:00	282420	SLH	System
5-30-01	7:30	282420	3:00	284870	SLH	System

MILBANK MANUFACTURING
WASTEWATER TREATMENT PLANT
CHEMICAL LOG

	FERRIC CHLORIDE (Gal)		CALCIUM CHLORIDE (Lbs)		CAUSTIC SODA (Gal)		SULFURIC ACID (Gal)		[illegible]		COMMENTS
	GALS USED	GALS REC.	GALS USED	GALS REC.	GALS USED	GALS REC.	GALS USED	GALS REC.	GALS USED	GALS REC.	
5-2-01	4gal		150#'s								Filled @ 10:30
5-2-01									4gals		Filled @ 10:30
5-3-01					20gals						Filled @ 10:15
5-3-01	4gal		150#'s								Filled @ 12:15
5-4-01	4gal		150#'s								Filled @ 12:15
5-4-01									4gals		Filled @ 12:15
5-8-01	4gal		150#'s								Filled @ 1:15pm
5-9-01	4gal		150#'s								Filled @ 1:20pm Started using last drum
5-9-01									4gals		Filled @ 1:25pm
5-10-01					20gals						Filled @ 7:00 AM
5-10-01	4gal		150#'s								Filled @ 1:30pm
5-14-01	4gal		150#'s								Filled @ 1:00pm
5-14-01									4gals		Filled @ 1:00pm
5-15-01	4gal		150#'s								Filled @ 1:00pm
5-16-01	4gal		150#'s								Filled @ 12:30pm
[illegible]-01									4gals		Filled @ 12:30pm
											~~Filled @ [illegible]~~
5-22-01	4gal		150#'s								Filled @ 7:00 AM
5-24-01	4gal		150#'s								Filled @ 7:00AM
5-24-01					20gals						Filled @ 7:00AM
5-24-01									4gals		Filled @ 7:00AM
5-29-01	4gal		150#'s								Filled @ 8:00AM
5-30-01									4gals		Filled @ 7:15AM
5-30-01	4gal		150#'s								Filled @ 9:00AM

DATE ORDERED	CHEMICAL ORDERED	AMOUNT ORDERED
5-29-01	Ferric Chloride	110 gals
5-29-01	Caustic Soda	55 gals

Chemical Specialties

Finishing System Service Report

System Serviced

Company: MILBANK KOHLER

Date: 5/30/01

Prepared by: MARCUS BRYANT

Reported to:

Distribution:

TEST PERFORMED	Concentration		pH		Temperature		Pressure		Conductivity			
SAMPLE POINTS / STAGES	Actual	Recom	Actual	Recom	Actual	Recom	Actual	Recom	Actual	Recom	Actual	Recom
1 CLEANER 419	1.80	1.80	10.73	9/11.0	126	110/130	15	15/25				
2 RINSE							15		695	<1500		
3 PAINT LOK 595	1.65	2.00	5.05	4.0/5.5	114	110/130	15					
4 RINSE							15		615	<1500		
5 RINSE 50	—		4.93	4.0/5.5	87	AMB.	15		2050	<2000		

Recom. = recommended

REMARKS & RECOMMENDATIONS: Parts look great but you need to CLEAN NOZZLES! Especially when you drop stage 1. A lot of clogged nozzles in the system, all stages.

Stage 1 ⇒ checked out ok at this time. Nozzles need to be cleaned out badly.

Stage 2 ⇒ Excellent overflow at this time.

Stage 3 ⇒ Pumped chemical level up to just come on so can maintain 2%. Everything else checked out ok.

Stage 4 ⇒ Excellent overflow at this time.

Stage 5 ⇒ Need to look a dropping this tank within couple of weeks. Conductivity is just now at the high end.

If any problems arise, please call

Thanks,
Marcus

Accepted by: David K Kraus

MIL0003617

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	
5-1	DKK	2.31	15	123	4.37				
5-2	DKK	2.31	15	121	4.39				
5-3	DKK	2.31	15	120	4.36				
5-7	DKK	2.31	15	121	4.37				
5-8	DKK	2.31	15	122	4.39				
5-9	DKK	2.31	15	118	4.34				
5-10	DKK	2.31	15	122	4.28				
5-11	DKK	2.31	15	120	4.25				
5-14	DKK	2.31	15	122	4.50				
5-15	DKK	2.31	15	123	4.53				
5-16	DKK	2.31	15	122	4.51				
5-17	DKK	2.31	15	121	4.52				
5-18	DKK	2.31	15	120	4.50				
5-21	DKK	2.31	15	121	4.86				
5-30	DKK	1.65	15	114	5.05				
5-31	DKK	1.88	15	112	5.00				

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	
5-1	DKK	2.00	15	121	10.08				
5-2	DKK	2.00	15	120	10.04				
5-3	DKK	2.00	15	122	10.06				
5-7	DKK	2.00	15	120	10.02				
5-8	DKK	2.00	15	122	10.03				
5-9	DKK	2.00	15	120	10.01				
5-10	DKK	2.00	15	123	10.02				
5-11	DKK	2.00	15	121	10.00				
5-14	DKK	2.00	15	122	10.06				
5-15	DKK	2.00	15	120	10.05				
5-16	DKK	2.00	15	121	10.07				
5-17	DKK	2.00	15	122	10.05				
5-18	DKK	2.00	15	121	10.02				
5-21	DKK	2.00	15	122	9.90				
5-30	DKK	1.80	15	126	10.73				
5-31	DKK	1.80	15	124	10.70				

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			
5-1	DKK	15	4.9		1:30	1.86	1.84	1.30	1.52	.88	.93			
5-2	DKK	15	5.1		12:50	1.83	1.79	.80	.68	.77	.65			
5-3	DKK	15	5.0	8:10	[illegible]	1.89		.72		.68				
5-7	DKK	15	5.1		12:45		1.87		.92		.70			
5-8	DKK	15	5.1		1:10	1.83	2.14	1.03	.93	.66	.62			
5-9	DKK	15	5.0	7:20	[illegible]	2.16		.73		.66				
5-10	DKK	15	5.1	8:00	[illegible]	2.24	1.98	.82	1.13	.63	.66			
5-11	DKK	15	5.1	7:30	[illegible]	2.14	2.04	1.22	1.58	.64	.54			
5-14	DKK	15	5.1	9:25	[illegible]	2.46	2.07	1.47	.97	.67	.57			
5-15	DKK	15	5.0	10:45	[illegible]	2.09	2.07	.80	.70	.58	.74			
5-16	DKK	15	5.0	7:15	[illegible]	1.99	2.00	.76	1.01	.68	.54			
5-17	DKK	15	5.1	9:20	[illegible]	2.15	2.17	1.03	.86	.56	.55			
5-18	DKK	15	5.1				2.02		1.26		.52			
5-21	DKK	15	5.1	8:15		2.23	2.18	1.33	1.70	.66	.69			
5-30	DKK	15	4.9	9:10		2.45	2.05	.88	.69	.77	.61			
5-31	DKK	15	5.0	7:05		2.20	2.23	.79	1.16	.55	.57			
5-31														

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	
5-1	DKK	2.31	15	123	4.37				
5-2	DKK	2.31	15	121	4.39				
5-3	DKK	2.31	15	120	4.36				
5-7	DKK	2.31	15	121	4.37				
5-8	DKK	2.31	15	122	4.39				
5-9	DKK	2.31	15	118	4.34				
5-10	DKK	2.31	15	122	4.38				
5-11	DKK	2.31	15	120	4.25				
5-14	DKK	2.31	15	122	4.50				
5-15	DKK	2.31	15	123	4.53				
5-16	DKK	2.31	15	122	4.51				
5-17	DKK	2.31	15	121	4.52				
5-18	DKK	2.31	15	120	4.50				
5-21	DKK	2.31	15	121	4.86				
5-30	DKK	1.65	15	114	5.05				
5-31	DKK	1.88	15	112	5.00				

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	
5-1	DKK	2.00	15	121	10.08				
5-2	DKK	2.00	15	120	10.04				
5-3	DKK	2.00	15	122	10.06				
5-7	DKK	2.00	15	120	10.02				
5-8	DKK	2.00	15	122	10.03				
5-9	DKK	2.00	15	120	10.01				
5-10	DKK	2.00	15	123	10.02				
5-11	DKK	2.00	15	121	10.00				
5-14	DKK	2.00	15	122	10.06				
5-15	DKK	2.00	15	120	10.05				
5-16	DKK	2.00	15	122	10.07				
5-17	DKK	2.00	15	122	10.05				
5-18	DKK	2.00	15	121	10.02				
5-21	DKK	2.00	15	122	9.90				
5-30	DKK	1.80	15	126	10.73				
5-31	DKK	1.80	15	124	10.70				

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

TIME	DATE	BUFFER CHANGED 4 PH 10 PH	BUFFER CHANGED PH 10 PH	PROBE LOCATION	PROBE CLEANED	INITIAL	PH READING	PH CALIBRATION
7:30	5-1-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.00/9.98 9.99
7:30	5-1-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00 4.02/9.98 9.99
9:45	5-1-01	Y	Y	FINAL	Y	SLH	9.45	4.00/9.99
7:30	5-2-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.02 4.04/9.98 9.99
7:30	5-2-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.01/9.97 9.99
1:00	5-2-01	Y	Y	FINAL	Y	SLH	9.73	4.00/9.99
7:00	5-3-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.01-4.03/9.97 9.98
7:00	5-3-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.99-4.01/9.99-10.00
7:30	5-3-01	Y	Y	FINAL	Y	SLH	9.44	4.00/9.99
7:20	5-4-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.98-4.00/9.97-10.00
7:20	5-4-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.97-3.99/9.97-9.98
9:00	5-4-01	Y	Y	FINAL	Y	SLH	9.59	4.00/9.99
7:00	5-8-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.00/9.97-9.98
7:00	5-8-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.98-3.99/9.97-9.98
11:30	5-8-01	Y	Y	FINAL	Y	SLH	9.68	4.00/9.99
7:00	5-9-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.01/9.97-
7:00	5-9-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.02-4.03/9.97-9.99
2:30	5-9-01	Y	Y	FINAL	Y	SLH	9.70	4.00/10.00
7:15	5-10-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.00-4.01/9.97-9.99
7:15	5-10-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.02-4.03/9.99-10.01
8:45	5-10-01	Y	Y	FINAL	Y	SLH	9.87	4.00/10.00
7:15	5-14-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.02-4.03/9.98-9.99
7:15	5-14-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.98-3.99/9.97-9.98
2:25	5-14-01	Y	Y	FINAL	Y	SLH	9.74	4.00/10.00
7:15	5-15-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.98-4.00/9.98-9.99
7:15	5-15-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.01-4.03/9.97-9.99
9:00	5-15-01	Y	Y	FINAL	Y	SLH	9.79	4.00/10.00
7:15	5-16-01	Y	Y	NEUT 1	Y	SLH	4 + 10	3.99-4.01/9.98-9.99
7:15	5-16-01	Y	Y	NEUT 2	Y	SLH	4 + 10	3.98-3.99/9.97-9.99
8:00	5-16-01	Y	Y	FINAL	Y	SLH	9.75	4.00/10.00
7:15	5-17-01	Y	Y	NEUT 1	Y	SLH	4 + 10	4.01-4.02/9.99-10.01
7:15	5-17-01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.00-4.02/9.98-9.99
8:00	5-17-01	Y	Y	FINAL	Y	SLH	9.70	4.00/10.00

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

TIME	DATE	BUFFER CHANGED PH 500	BUFFER CHANGED PH 600	PROBE LOCATION	PROBE CLEANED	INITIAL	PH READING	PH CALIBRATION
7:15	5 22 01	Y	Y	NEUT 1	Y	SLH	4 + 10	399 400 / 999 10.01
7:15	5 22 01	Y	Y	NEUT 2	Y	SLH	4 + 10	400 402 / 999 10.00
12.40	5 22 01	Y	Y	FINAL	Y	SLH	9.55	4.01 / 9.99
8.00	5 24 01	Y	Y	NEUT 1	Y	SLH	4 + 10	399 401 / 999 10.01
8:00	5 24 01	Y	Y	NEUT 2	Y	SLH	4 + 10	401 402 / 999 10.00
9:00	5 24 01	Y	Y	FINAL	Y	SLH	9.46	4.01 9.99
7:15	5 29 01	Y	Y	NEUT 1	Y	SLH	4 + 10	399 401 / 999 10.01
7.15	5 29 01	Y	Y	NEUT 2	Y	SLH	4 + 10	400 402 / 998 999
9.45	5 29 01	Y	Y	FINAL	Y	SLH	9.40	4.01 - 9.99
7:30	5 30 01	Y	Y	NEUT 1	Y	SLH	4 + 10	400 4.01 / 9.09 10.01
7:30	5 30 01	Y	Y	NEUT 2	Y	SLH	4 + 10	4.02 4.03 / 9.99 10.00
8:30	5 30 01	Y	Y	FINAL	Y	SLH	9.66	4.01 / 9.99
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	
		Y	Y	NEUT 1	Y	SLH	4 + 10	
		Y	Y	NEUT 2	Y	SLH	4 + 10	
		Y	Y	FINAL	Y	SLH	4 + 10	