SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR464 & 468

Attn: Water Div/NPDES Pretreatment

7005 1160 0005 0898 065

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS	B. FACILITY & LOCATION ADDRESS
Mueller Copper Tube Products, Inc. PO Box 309 Wynne, AR 72396	Mueller Copper Tube Products, Inc 1525 North Falls Blvd Wynne, AR 72396

C. FACILITY CONTACT: Charles Blanton TELEPHONE NUMBER: 870-208-1010 E-MAIL ADDRESS: cblanton@muellerindustries.com

(2) REPORTING PERIOD

A. MONTHS WHICH REPORTS ARE DUE	B. PERIOD COVERED BY THIS REPORT
___December, 2008_____ & __June, 2008_____	FROM: June 2007 TO: May 2008

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

§40CFR464 – Metal Molding & Casting Point Source Category
Copper Casting [Subpart B] Operations

PROCESS	PROD'N RATE(S) Total for Six Months	PROD'N DAYS # Operating Days
Direct Chill Casting 40CFR464.24(b)	23,514,520	____64____

All other Copper Casting Operations are Not Present in this Facility

§40CFR468 – Copper Forming Point Source Category
Copper Forming [Subpart A] Operations

Drawing Spent Lubricant 40CFR468.14(c)	111,619,590	____64____
Solution Heat Treatment 40CFR468.14(d)	30,379,336	____64____

All other Copper Forming Operations are Not Present in this Facility

B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

None

No deficiencies found. I'll compliant w/no further actions necessary.

NPDES PERMIT FILE
NPDES # AR0021903
AFIN # _____
Permit PN
✓ Correspondence
Technical Backup
7/28/08 Date Scanned

C. Number of Regular Employees at this Facility ___350_____

D. [Reserved]

(4) FLOW MEASUREMENT

B. INDIVIDUAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY (GPD)

Process	Average Flow Rate (gpd)	Maximum Flow Rate (gpd)	Type of Discharge (Batch, etc)	Number of Disc Days
§464.25(b) Direct Chill Casting	8,621	17,000	Continuous	64
§468.14(c) Draw Spent Lubricant	1,000	2,500	Continuous	64
§464.14(d) Solution Heat Treatment	250	500	Batch	64
Total Regulated Flow	9,871	20,000	**********	**********
§403.6(e) Unreg'd*	NA	NA	NA	NA
§403.6(e) Dilute	NA	NA	NA	NA
Cooling Water	NA	NA	NA	NA
Sanitary	16,000	16,000	Batch	340
Total Plant Flow			**********	**********

*"Unregulated" has a precise legal meaning; see 40 CFR 403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

- Oil skimmer
- Ferric chloride
- Lime
- Ionic polymer
- Clarifier
- Filter press

B. COMMENTS ON TREATMENT SYSTEM

NA

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES--CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

Pollutant (mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*	Phenol	O&G
Max Allowable Conc	NA	2.407	14.543	3.638	10.542	NA	12.082	NA	NA	NA	109.873
Ave Allowable Conc	NA	0.981	7.739	2.101	6.954	NA	4.886	NA	NA	NA	65.92
Max Measured Conc	NA	ND	0.279	ND	0.067	NA	ND	NA	NA	NA	15
Ave Measured Conc	NA	ND	0.095	ND	0.046	NA	ND	NA	NA	NA	7

Sample Location _____ Behind West Building Casting Operation_____

Sample Type (Grab or Composite)_____Sample Dependent_(Grab or Composite)_____

Number of Samples and Frequency Collected__12 samples collected / twice per month__

40CFR136 Preservation and Analytical Methods Use: X Yes ☐ No

(6) CERTIFICATION {Reserved}

[Space Reserved]

[Space Reserved]

STATE OF ARKANSAS
COUNTY OF **CROSS**

Before me, the undersigned authority, on this day personally appeared

Charles Blanton of Mueller Copper Tube Prod Inc,

a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this 30th day of June 2008.

Jennifer Hale

Notary Public in and for Cross County, Arkansas.

Jennifer Hale My Comm. Exp. NOTARY PUBLIC Sept. 14, 2009 Cross County, Arkansas

My commission expires 9/14/09.

(7) GENERAL COMMENTS

Facility Permits:	Permit #	Expiration Date
Air	1027-AOP-R4	6/16/2009
NPDES	ARR0049476	9/30/2006
Stormwater	ARR00A658	3/31/2009

Process Description

Mueller Copper Tube Products, Inc. (formerly Halstead Metal Products) owns and operates a copper tubing manufacturing facility located at 1525 North Falls Boulevard in Wynne, Arkansas. This facility accepts copper from a number of sources. It heats, melts, and forms the copper into high purity logs, which are used as the starting material for the copper tubing manufactured on-site.

The manufacturing process begins with the melting of scrap and virgin copper to produce copper suitable for Mueller's production specifications. The material is placed into an electric arc furnace and heated to approximately 2150°F with a maximum temperature of 2250°F. The casting utilizes Direct Chill Casting and is regulated under 40 CFR 464.25(b). Particulate emissions from the furnace are controlled by a ten-compartment Wheelabrator baghouse. Emissions that escape the furnace during loading/processing and start-up activities exit through the plant ventilation system.

Molten copper from the furnace is cast into copper logs (billets). These logs are 24 feet long and 0.92 feet in diameter. The logs are then sawed into 25.5 inch long billets for further processing. The billets are then heated between 1500 - 1650°F in one of two billet heaters before being placed into the extrusion press. The billet is then extruded in order to form a tube. Emissions generated during this process (insignificant activity) exit through the plant ventilation system to the outside atmosphere. The process utilizes Solution Heat Treatment and subsequently falls under 40 CFR 468.14(d)

The tubing manufacturing process consists of sawing, drawing, straightening, coiling, and annealing. The annealing furnace heats the tubing in a non-oxidizing environment so that the formation of copper oxide is kept to a minimum and the copper exits the annealing oven bright and shiny. Miscellaneous operations at this facility consist of scrap metal bailing, standby power generation, and maintenance operations. These processes is subject to 40 CFR 468.14(c).

(8) SIGNATORY REQUIREMENTS [40CFR403.12(l)]

I certify under penalty of law that I have personally examined and am familiar with the information in this semi-annual compliance report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Charles Blanton

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

Support Process Manager

OFFICIAL TITLE

6-30-08

DATE SIGNED

Mueller Copper Tube Products, P.O. Box 309 Wynne, AR 72396, (870) 238-3201
December-07

Parameter	Average	Maximum	Unit		Minimum	Average	Maximum	Units	No. Ex.	Analysis Time
BOD-5	14.97	19.31	#/day	Sample	----	148	191	mg/l	0	1 week 24 hr. 0
	80.1	80.1	#/day	City		200	200	mg/l	0	1 week 24 hr. 0
T.S.S	8.29	10.11	#/day	Sample	----	82	100	mg/l	0	1 week 24 hr. 0
	71.0		#/day	City	----		200	mg/l	0	1 week 24 hr. 0
Oil & Grease	0.66	0.81	#/day	Sample	----	6.5	8	mg/l	0	1 week 24 hr. 0
	9.4		#/day	City	----	23.5	100	mg/l	0	1 week 24 hr. 0
Chromium (T)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.01	<0.01	mg/l	0	1 week 24 hr. 0
Chromium (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	***	***	#/day	City	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
Copper (T)	0.00	0.01	#/day	Sample	----	0.04	0.058	mg/l	0	1 week 24 hr. 0
	0.42		#/day	City	----	1.05		mg/l	0	1 week 24 hr. 0
Copper (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.18		#/day	City	----	0.45		mg/l	0	1 week 24 hr. 0
Lead (T)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Lead (D)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Nickel (T)	0.00	0.00	#/day	Sample	----	0.044	0.044	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Nickel (D)	0.00	0.00	#/day	Sample	----	0.041	0.043	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Zinc (T)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Zinc (D)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Flow	0.012	0.017	MGD	Sample	----	----	----	MGD	0	1 week 24 hr. 0
		0.048	MGD	City	----	----	----	MGD	0	1 week 24 hr. 0
pH	---	---	#/day	Sample	6.6	7	7.3	SU	0	1 week 24 hr. 0
	---	---	---	City	5			SU	0	1 week 24 hr. 0
COD	76.35	90.50	#/day	Sample	----	755	895	mg/l	0	1 week 24 hr. 0
			#/day	City	----			mg/l	0	1 week 24 hr. 0

*** Indicates below calculation limits

(T) Indicates Total

(D) Indicates Dissolved

During December, the total discharge was estimated to be 97,000 gallons. Two (2) samples were collected.

Date: _____

_____

Charles Blanton

(I certify that based on my inquiry of those responsible, that the information contained in this report is accurate and complete to the best of my belief.)

Mueller Copper Tube Products, P.O. Box 309 Wynne, AR 72396, (870) 238-3201

January-08

Parameter	Average	Maximum	Unit		Minimum	Average	Maximum	Units	No. Ex.	Analysis Time
BOD-5	17.43	25.53	#/day	Sample	----	226	331	mg/l	0	1 week 24 hr. 0
	80.1	80.1	#/day	City		200	200	mg/l	0	1 week 24 hr. 0
T.S.S	1.23	1.54	#/day	Sample	----	16	20	mg/l	0	1 week 24 hr. 0
	71.0		#/day	City	----		200	mg/l	0	1 week 24 hr. 0
Oil & Grease	0.39	0.39	#/day	Sample	----	5	5	mg/l	0	1 week 24 hr. 0
	9.4		#/day	City	----	23.5	100	mg/l	0	1 week 24 hr. 0
Chromium (T)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.01	<0.01	mg/l	0	1 week 24 hr. 0
Chromium (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	***	***	#/day	City	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
Copper (T)	0.01	0.01	#/day	Sample	----	0.136	0.171	mg/l	0	1 week 24 hr. 0
	0.42		#/day	City	----	1.05		mg/l	0	1 week 24 hr. 0
Copper (D)	0.00	0.00	#/day	Sample	----	0.035	0.047	mg/l	0	1 week 24 hr. 0
	0.18		#/day	City	----	0.45		mg/l	0	1 week 24 hr. 0
Lead (T)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Lead (D)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Nickel (T)	0.00	0.00	#/day	Sample	----	0.044	0.044	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Nickel (D)	0.00	0.00	#/day	Sample	----	0.041	0.043	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Zinc (T)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Zinc (D)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Flow	0.009	0.013	MGD	Sample	----	----	----	MGD	0	1 week 24 hr. 0
		0.048	MGD	City	----	----	----	MGD	0	1 week 24 hr. 0
pH	---	---	#/day	Sample	7.1	7.3	7.4	SU	0	1 week 24 hr. 0
	---	---	---	City	5			SU	0	1 week 24 hr. 0
COD	79.69	99.52	#/day	Sample	----	1033	1290	mg/l	0	1 week 24 hr. 0
			#/day	City	----			mg/l	0	1 week 24 hr. 0

*** Indicates below calculation limits

(T) Indicates Total

(D) Indicates Dissolved

During January, the total discharge was estimated to be 111,000 gallons. Two (2) samples were collected.

Date: _____

_____

Charles Blanton

(I certify that based on my inquiry of those responsible, that the information contained in this report is accurate and complete to the best of my belief.)

Mueller Copper Tube Products, P.O. Box 309 Wynne, AR 72396, (870) 238-3201
February-08

Parameter	Average	Maximum	Unit		Minimum	Average	Maximum	Units	No. Ex.	Analysis Time
BOD-5	20.22	21.52	#/day	Sample	----	242.5	258	mg/l	0	1 week 24 hr. 0
	80.1	80.1	#/day	City		200	200	mg/l	0	1 week 24 hr. 0
T.S.S	1.67	2.17	#/day	Sample	----	20	26	mg/l	0	1 week 24 hr. 0
	71.0		#/day	City	----		200	mg/l	0	1 week 24 hr. 0
Oil & Grease	0.83	1.08	#/day	Sample	----	10	13	mg/l	0	1 week 24 hr. 0
	9.4		#/day	City	----	23.5	100	mg/l	0	1 week 24 hr. 0
Chromium (T)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.01	<0.01	mg/l	0	1 week 24 hr. 0
Chromium (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	***	***	#/day	City	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
Copper (T)	0.02	0.02	#/day	Sample	----	0.248	0.279	mg/l	0	1 week 24 hr. 0
	0.42		#/day	City	----	1.05		mg/l	0	1 week 24 hr. 0
Copper (D)	0.01	0.01	#/day	Sample	----	0.1	0.175	mg/l	0	1 week 24 hr. 0
	0.18		#/day	City	----	0.45		mg/l	0	1 week 24 hr. 0
Lead (T)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Lead (D)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Nickel (T)	0.00	0.00	#/day	Sample	----	0.041	0.042	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Nickel (D)	0.00	0.00	#/day	Sample	----	0.043	0.046	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Zinc (T)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Zinc (D)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Flow	0.010	0.013	MGD	Sample	----	----	----	MGD	0	1 week 24 hr. 0
		0.048	MGD	City	----	----	----	MGD	0	1 week 24 hr. 0
pH	---	---	#/day	Sample	7.5	7.65	7.8	SU	0	1 week 24 hr. 0
	---	---	---	City	5			SU	0	1 week 24 hr. 0
COD	84.23	88.40	#/day	Sample	----	1010	1060	mg/l	0	1 week 24 hr. 0
			#/day	City	----			mg/l	0	1 week 24 hr. 0

*** Indicates below calculation limits
(T) Indicates Total
(D) Indicates Dissolved

During February, the total discharge was estimated to be 198,000 gallons. Two (2) samples were collected.

Date: _____

_____

Charles Blanton
(I certify that based on my inquiry of those responsible, that the information contained in this report is accurate and complete to the best of my belief.)

Mueller Copper Tube Products, P.O. Box 309 Wynne, AR 72396, (870) 238-3201
March-08

Parameter	Average	Maximum	Unit		Minimum	Average	Maximum	Units	No. Ex.	Analysis Time
BOD-5	14.04	15.94	#/day	Sample	----	170	193	mg/l	0	1 week 24 hr. 0
	80.1	80.1	#/day	City		200	200	mg/l	0	1 week 24 hr. 0
T.S.S	1.40	1.65	#/day	Sample	----	17	20	mg/l	0	1 week 24 hr. 0
	71.0		#/day	City	----		200	mg/l	0	1 week 24 hr. 0
Oil & Grease	0.41	0.41	#/day	Sample	----	5	5	mg/l	0	1 week 24 hr. 0
	9.4		#/day	City	----	23.5	100	mg/l	0	1 week 24 hr. 0
Chromium (T)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.01	<0.01	mg/l	0	1 week 24 hr. 0
Chromium (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	***	***	#/day	City	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
Copper (T)	0.01	0.01	#/day	Sample	----	0.072	0.119	mg/l	0	1 week 24 hr. 0
	0.42		#/day	City	----	1.05		mg/l	0	1 week 24 hr. 0
Copper (D)	0.00	0.00	#/day	Sample	----	0.012	0.013	mg/l	0	1 week 24 hr. 0
	0.18		#/day	City	----	0.45		mg/l	0	1 week 24 hr. 0
Lead (T)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Lead (D)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Nickel (T)	***	***	#/day	Sample	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Nickel (D)	***	***	#/day	Sample	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Zinc (T)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Zinc (D)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Flow	0.010	0.012	MGD	Sample	----	----	----	MGD	0	1 week 24 hr. 0
		0.048	MGD	City	----	----	----	MGD	0	1 week 24 hr. 0
pH	---	---	#/day	Sample	7.1	7.3	7.4	SU	0	1 week 24 hr. 0
	---	---	---	City	5			SU	0	1 week 24 hr. 0
COD	69.27	79.68	#/day	Sample	----	839	965	mg/l	0	1 week 24 hr. 0
			#/day	City	----			mg/l	0	1 week 24 hr. 0

*** Indicates below calculation limits

(T) Indicates Total

(D) Indicates Dissolved

During February, the total discharge was estimated to be 184,000 gallons. Two (2) samples were collected.

Date: _____

_____

Charles Blanton

(I certify that based on my inquiry of those responsible, that the information contained in this report is accurate and complete to the best of my belief.)

Mueller Copper Tube Products, P.O. Box 309 Wynne, AR 72396, (870) 238-3201

April-08

Parameter	Average	Maximum	Unit		Minimum	Average	Maximum	Units	No. Ex.	Analysis Time
BOD-5	32.38	34.39	#/day	Sample	----	427.5	454	mg/l	0	1 week 24 hr. 0
	80.1	80.1	#/day	City		200	200	mg/l	0	1 week 24 hr. 0
T.S.S	2.42	3.64	#/day	Sample	----	32	48	mg/l	0	1 week 24 hr. 0
	71.0		#/day	City	----		200	mg/l	0	1 week 24 hr. 0
Oil & Grease	0.38	0.38	#/day	Sample	----	5	5	mg/l	0	1 week 24 hr. 0
	9.4		#/day	City	----	23.5	100	mg/l	0	1 week 24 hr. 0
Chromium (T)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.01	<0.01	mg/l	0	1 week 24 hr. 0
Chromium (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	***	***	#/day	City	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
Copper (T)	0.00	0.01	#/day	Sample	----	0.05	0.082	mg/l	0	1 week 24 hr. 0
	0.42		#/day	City	----	1.05		mg/l	0	1 week 24 hr. 0
Copper (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.18		#/day	City	----	0.45		mg/l	0	1 week 24 hr. 0
Lead (T)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Lead (D)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Nickel (T)	0.00	0.00	#/day	Sample	----	0.049	0.053	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Nickel (D)	0.00	0.00	#/day	Sample	----	0.043	0.046	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Zinc (T)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Zinc (D)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Flow	0.009	0.012	MGD	Sample	----	----	----	MGD	0	1 week 24 hr. 0
		0.048	MGD	City	----	----	----	MGD	0	1 week 24 hr. 0
pH	---	---	#/day	Sample	7	7.2	7.3	SU	0	1 week 24 hr. 0
	---	---	---	City	5			SU	0	1 week 24 hr. 0
COD	104.54	106.05	#/day	Sample	----	1380	1400	mg/l	0	1 week 24 hr. 0
			#/day	City	----			mg/l	0	1 week 24 hr. 0

*** Indicates below calculation limits

(T) Indicates Total

(D) Indicates Dissolved

During April, the total discharge was estimated to be 133,000 gallons. Two (2) samples were collected.

Date: _____

_____

Charles Blanton

(I certify that based on my inquiry of those responsible, that the information contained in this report is accurate and complete to the best of my belief.)

Mueller Copper Tube Products, P.O. Box 309 Wynne, AR 72396, (870) 238-3201
May-08

Parameter	Average	Maximum	Unit		Minimum	Average	Maximum	Units	No. Ex.	Analysis Time
BOD-5	15.90	15.97	#/day	Sample	----	215	216	mg/l	0	1 week 24 hr. 0
	80.1	80.1	#/day	City		200	200	mg/l	0	1 week 24 hr. 0
T.S.S	7.99	11.24	#/day	Sample	----	108	152	mg/l	0	1 week 24 hr. 0
	71.0		#/day	City	----		200	mg/l	0	1 week 24 hr. 0
Oil & Grease	0.55	1.11	#/day	Sample	----	7.5	15	mg/l	0	1 week 24 hr. 0
	9.4		#/day	City	----	23.5	100	mg/l	0	1 week 24 hr. 0
Chromium (T)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.01	<0.01	mg/l	0	1 week 24 hr. 0
Chromium (D)	***	***	#/day	Sample	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
	***	***	#/day	City	----	< 0.01	< 0.01	mg/l	0	1 week 24 hr. 0
Copper (T)	0.00	0.00	#/day	Sample	----	0.026	0.028	mg/l	0	1 week 24 hr. 0
	0.42		#/day	City	----	1.05		mg/l	0	1 week 24 hr. 0
Copper (D)	0.00	0.00	#/day	Sample	----	0.017	0.029	mg/l	0	1 week 24 hr. 0
	0.18		#/day	City	----	0.45		mg/l	0	1 week 24 hr. 0
Lead (T)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Lead (D)	***	***	#/day	Sample	----	< 0.005	< 0.005	mg/l	0	1 week 24 hr. 0
	0.26	***	#/day	City	----	0.65		mg/l	0	1 week 24 hr. 0
Nickel (T)	0.00	0.00	#/day	Sample	----	0.053	0.067	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Nickel (D)	0.00	0.00	#/day	Sample	----	0.051	0.062	mg/l	0	1 week 24 hr. 0
	0.01	***	#/day	City	----	<0.04	<0.04	mg/l	0	1 week 24 hr. 0
Zinc (T)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Zinc (D)	***	***	#/day	Sample	----	< 0.02	< 0.02	mg/l	0	1 week 24 hr. 0
	0.29	***	#/day	City	----	0.72		mg/l	0	1 week 24 hr. 0
Flow	0.009	0.012	MGD	Sample	----	----	----	MGD	0	1 week 24 hr. 0
		0.048	MGD	City	----	----	----	MGD	0	1 week 24 hr. 0
pH	---	---	#/day	Sample	6.7	6.7	6.7	SU	0	1 week 24 hr. 0
	---	---	---	City	5			SU	0	1 week 24 hr. 0
COD	49.81	55.68	#/day	Sample	----	673.5	753	mg/l	0	1 week 24 hr. 0
			#/day	City	----			mg/l	0	1 week 24 hr. 0

*** Indicates below calculation limits

(T) Indicates Total

(D) Indicates Dissolved

During May, the total discharge was estimated to be 133,000 gallons. Two (2) samples were collected.

Date: _____

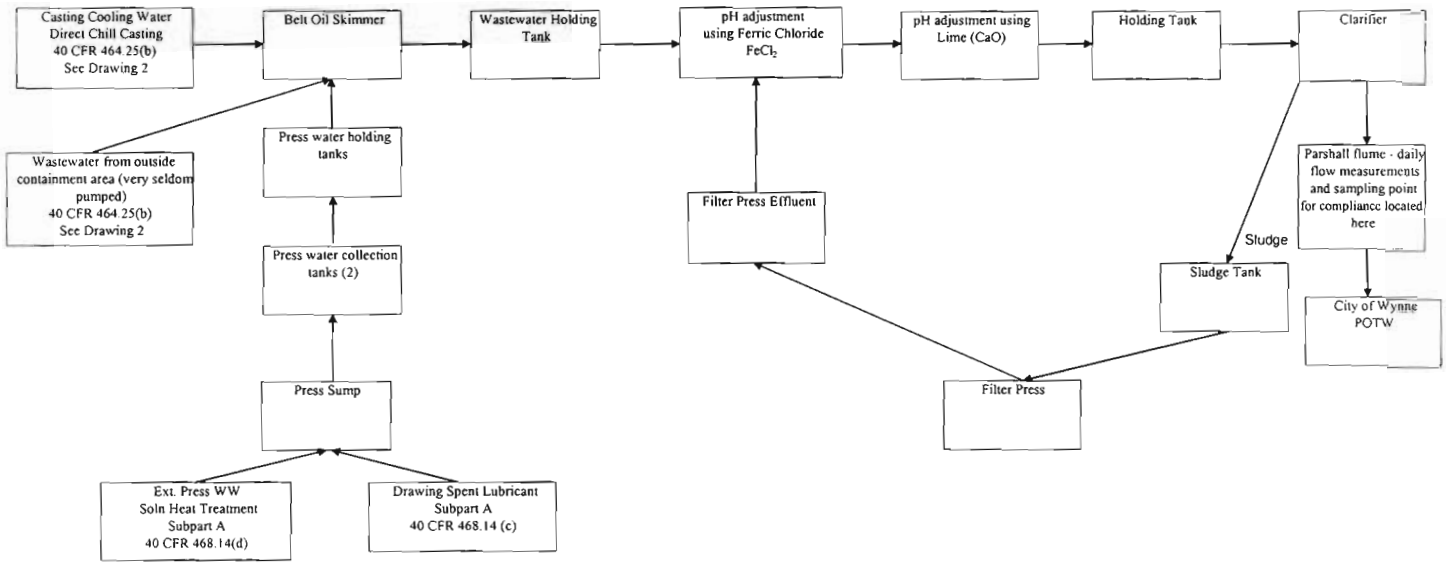
_____

Charles Blanton

(I certify that based on my inquiry of those responsible, that the information contained in this report is accurate and complete to the best of my belief.)

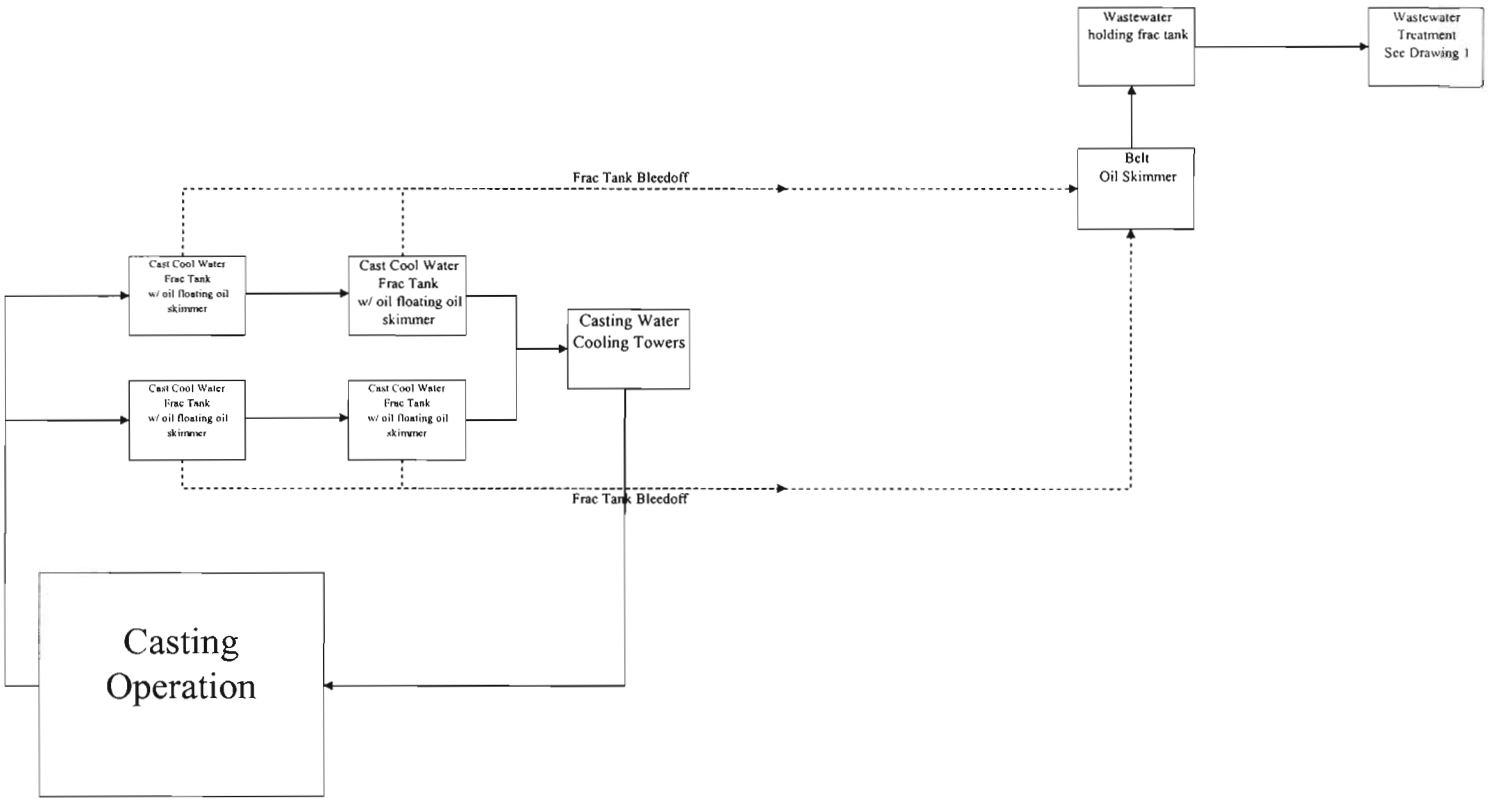
W:\Wynne Common\LAB\Environmental Files\BMR Water and Production Data December 2007 thru May 2008.xls

Parameter	Avg Conc	Max Conc	Avg Lbs/Day	Max Lbs/Day
BOD-5	238	454	19.6	37.3
T.S.S	46	152	3.8	12.5
Oil & Grease	7	15	0.5	1.2
Chromium (T)	0	0	0	0
Chromium (D)	0	0	0	0
Copper (T)	0.095	0.279	0.008	0.023
Copper (D)	0.041	0.175	0.003	0.014
Lead (T)	0	0	0	0
Lead (D)	0	0	0	0
Nickel (T)	0.046	0.067	0.004	0.006
Nickel (D)	0.044	0.062	0.004	0.005
Zinc (T)	0.05	0	0.004	0.000
Zinc (D)	0.05	0	0.004	0.000
Flow	0.009871	0.017000		
pH	7.2	7.8		
COD	948	1400	77.9	115.1



Charlie B Bell

6/30/08


Wastewater holding frac tank
Wastewater Treatment See Drawing 1
Belt Oil Skimmer
Frac Tank Bleedoff
Cast Cool Water Frac Tank w/ oil floating oil skimmer
Cast Cool Water Frac Tank w/ oil floating oil skimmer
Casting Water Cooling Towers
Cast Cool Water Frac Tank w/ oil floating oil skimmer
Cast Cool Water Frac Tank w/ oil floating oil skimmer
Frac Tank Bleedoff
Casting Operation

Ch BH

6/30/08