

40 CFR 433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: B&M PAINTING CO., INC.-POTW # 1
 SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433

Use of this form is not an ADEQ requirement, but satisfies the reporting requirements in 40 CFR 403.12(e).

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION and NPDES Pretreatment Tracking # ARP001058

<p>A. LEGAL NAME & MAILING ADDRESS</p> <p>B&M PAINTING CO., INC. 347 VAN BUREN ST NE CAMDEN, AR 71701</p>	<p>A. FACILITY & LOCATION ADDRESS</p> <p>POTW # 1 – Bldg #1 B&M PAINTING CO., INC. 347 VAN BUREN ST NE CAMDEN, AR 71701</p>
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C. FACILITY CONTACT: TRACY PAYNE TELEPHONE NUMBER: 870-836-3388 e-mail: tpayne@bmpaint.com
 BRIAN McCASLAND TELEPHONE NUMBER: 870-836-3388 e-mail: bmac@bmpaint.com

(2) REPORTING PERIOD--FISCAL YEAR From JULY to DECEMBER (Both Semi-Annual Reports must cover Fiscal Year)

<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p><u>JUNE & DECEMBER</u></p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM: JULY 2017 TO: DECEMBER 2017</p>
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(3) DESCRIPTION OF OPERATION

<p>A. REGULATED PROCESSES</p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p><input type="checkbox"/> Electroplating <input type="checkbox"/> Electroless Plating <input checked="" type="checkbox"/> Anodizing <input checked="" type="checkbox"/> Coating (conversion) <input type="checkbox"/> Chemical Etching and Milling <input type="checkbox"/> Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p><u>CR ANODIZING</u></p> <p><u>ALUMINUM CONVERSION COATING</u></p> <p><u>PENETRANT INSPECTION</u></p> <p><u>PAINTING</u></p> <p>_____</p> <p>_____</p>	<p>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.</p>
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*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS

<p>C. Number of Regular Employees at this Facility <u>39</u></p>	<p>D. [Reserved]</p>
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(4) FLOW MEASUREMENT

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge*
Regulated (Core & Regulated (Cyanide)	4908	5416	BATCH (DI RINSE)
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	2454	2708	
Total Flow to POTW	7362	8124	

*If batch discharged please list the period of time of each batch discharge (300 gallons/day; 500 gallons/week, 2,000 gallons/3 months, etc). Do not normalize over that period for the average flow.
 **"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other WWIX (AND RECYCLED)
- None

B. COMMENTS ON TREATMENT SYSTEM

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.

40 CFR 433.17 Pollutant(mg/l) limits	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Avg	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.004	0.046	<0.006	<0.0005	<0.01	<0.007	0.017	<0.01	*
Avg Measured**									*

Sample Location BLDG # 1 - POTW # 1

Sample Type (Grab* or Composite) COMPOSITE

*If Grab, list # of grabs over what period of time

Number of Samples and Frequency Collected 3 GRABS COLLECTED EVERY TWO HOURS BEGINNING AT 10:00 AM ON 12-6-17 - SINGLE GRAB FOR O&G AND CYANIDE AT 10:00 ON 12-06-17.

40CFR136 Preservation and Analytical Methods Use: Yes No (include complete Chain of Custody)

*If a TOMP has been submitted and approved by ADEQ place N/A.

**A value here is the average of all samples taken during one (1) calendar month regardless of number of samples taken. If only one (1) sample is taken it must meet the monthly average limitation.

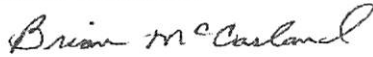
(6) CERTIFICATION (ONLY IF A TOMP HAS BEEN SUBMITTED/APPROVED BY ADEQ)

B. CHECK ONE: ' 433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED ' 433.12(a) TTO CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality.

BRIAN McCASLAND

(Typed/Printed Name)



(Corporate Officer or authorized representative signature)

Date of Signature 12-21-17

(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]

*6602 [42 U.S.C. 13101] Findings and Policy para (b) Policy.--The Congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.

The User may list any new or ongoing Pollution Prevention practices including Best or Environmental Management Practices, Source Reduction, Waste Minimization, Lean Manufacturing, Water and/or Energy Conservation:

1. _____
2. _____
3. _____
4. _____
5. _____

(8) GENERAL COMMENTS

Analytical data from American Interplex Reports –

1. 218682 dated 12-14-2017

(9) SEMI-ANNUAL/PERIODIC REPORT CERTIFICATION STATEMENT REQUIRED UNDER 40 CFR 403.12(l)

I certify under penalty of law that I have personally examined and am familiar with the information in 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, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TRACY PAYNE
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

VICE PRESIDENT & GENERAL MANAGER
OFFICIAL TITLE

12-21-2017
DATE SIGNED




B & M Painting Co., Inc.
ATTN: Mr. Mat Hopkins
347 Van Buren
Camden, AR 71701

This report contains the analytical results and supporting information for samples submitted on December 7, 2017. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.



John Overbey
Chief Operating Officer

This document has been distributed to the following:

PDF cc: B & M Painting Co., Inc.
ATTN: Mr. Mat Hopkins
mhopkins@bmpaint.com

B & M Painting Co., Inc.
ATTN: Lab
lab@bmpaint.com

B & M Painting Co., Inc.
ATTN: Mr. Tracy Payne
tpayne@bmpaint.com

B & M Painting Co., Inc.
ATTN: Mr. Brian McCasland
bmac@bmpaint.com



B & M Painting Co., Inc.
347 Van Buren
Camden, AR 71701

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on December 7, 2017
Semi-Annual Rpt.
P.O. No. AI120617-Lab-1

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
218682-1	POTW 1	06-Dec-2017 1400	
218682-2	POTW 1	06-Dec-2017 1000	

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

References:

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



B & M Painting Co., Inc.
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ANALYTICAL RESULTS

AIC No. 218682-1

Sample Identification: POTW 1 06-Dec-2017 1400

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Cadmium EPA 200.8 Prep: 07-Dec-2017 1559 by 333	< 0.004 Analyzed: 08-Dec-2017 1651 by 313	0.004	mg/l Batch: S44350	
Chromium EPA 200.8 Prep: 07-Dec-2017 1559 by 333	0.046 Analyzed: 08-Dec-2017 1651 by 313	0.01	mg/l Batch: S44350	
Copper EPA 200.8 Prep: 07-Dec-2017 1559 by 333	< 0.006 Analyzed: 08-Dec-2017 1651 by 313	0.006	mg/l Batch: S44350	
Lead EPA 200.8 Prep: 07-Dec-2017 1559 by 333	< 0.0005 Analyzed: 08-Dec-2017 1651 by 313	0.0005	mg/l Batch: S44350	
Nickel EPA 200.8 Prep: 07-Dec-2017 1559 by 333	< 0.01 Analyzed: 08-Dec-2017 1651 by 313	0.01	mg/l Batch: S44350	
Silver EPA 200.8 Prep: 07-Dec-2017 1559 by 333	< 0.007 Analyzed: 08-Dec-2017 1651 by 313	0.007	mg/l Batch: S44350	
Zinc EPA 200.8 Prep: 07-Dec-2017 1559 by 333	0.017 Analyzed: 08-Dec-2017 1651 by 313	0.01	mg/l Batch: S44350	

AIC No. 218682-2

Sample Identification: POTW 1 06-Dec-2017 1000

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide SM 4500-CN C,E 1999 Prep: 08-Dec-2017 0826 by 326	< 0.01 Analyzed: 08-Dec-2017 1528 by 326	0.01	mg/l Batch: W62227	
Oil and Grease EPA 1664A Prep: 13-Dec-2017 1554 by 285	< 5 Analyzed: 13-Dec-2017 1814 by 285	5	mg/l Batch: B10743	

B & M Painting Co., Inc.
347 Van Buren
Camden, AR 71701

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	89.4	85.0-115			W62227	08Dec17 0826 by 326	11Dec17 1329 by 326		
Cadmium	0.02 mg/l	101	85.0-115			S44350	07Dec17 1600 by 333	08Dec17 1419 by 313		
Chromium	0.02 mg/l	96.9	85.0-115			S44350	07Dec17 1600 by 333	08Dec17 1419 by 313		
Copper	0.02 mg/l	102	85.0-115			S44350	07Dec17 1600 by 333	08Dec17 1419 by 313		
Lead	0.02 mg/l	101	85.0-115			S44350	07Dec17 1600 by 333	08Dec17 1419 by 313		
Nickel	0.02 mg/l	101	85.0-115			S44350	07Dec17 1600 by 333	08Dec17 1419 by 313		
Silver	0.02 mg/l	100	85.0-115			S44350	07Dec17 1600 by 333	08Dec17 1419 by 313		
Zinc	0.02 mg/l	100	85.0-115			S44350	07Dec17 1600 by 333	08Dec17 1419 by 313		
Oil and Grease	40 mg/l	93.5	78.0-114			B10743	13Dec17 1554 by 285	13Dec17 1814 by 285		
	40 mg/l	96.5	78.0-114	3.16	20.0	B10743	13Dec17 1554 by 285	13Dec17 1814 by 285		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	218621-2	0.1 mg/l	90.3	75.0-125	W62227	08Dec17 0826 by 326	11Dec17 1333 by 326		
	218621-2	0.1 mg/l	89.9	75.0-125	W62227	08Dec17 0826 by 326	11Dec17 1335 by 326		
	Relative Percent Difference:		0.444	20.0	W62227				
Cadmium	218612-1	0.02 mg/l	96.5	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1424 by 313		
	218612-1	0.02 mg/l	96.9	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1430 by 313		
	Relative Percent Difference:		0.373	20.0	S44350				
Chromium	218612-1	0.02 mg/l	96.0	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1424 by 313		
	218612-1	0.02 mg/l	96.4	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1430 by 313		
	Relative Percent Difference:		0.370	20.0	S44350				
Copper	218612-1	0.02 mg/l	94.7	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1424 by 313		
	218612-1	0.02 mg/l	98.8	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1430 by 313		
	Relative Percent Difference:		3.35	20.0	S44350				
Lead	218612-1	0.02 mg/l	96.1	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1424 by 313		
	218612-1	0.02 mg/l	95.8	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1430 by 313		
	Relative Percent Difference:		0.316	20.0	S44350				
Nickel	218612-1	0.02 mg/l	92.0	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1424 by 313		
	218612-1	0.02 mg/l	91.5	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1430 by 313		
	Relative Percent Difference:		0.266	20.0	S44350				
Silver	218612-1	0.02 mg/l	93.0	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1424 by 313		
	218612-1	0.02 mg/l	94.1	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1430 by 313		
	Relative Percent Difference:		1.17	20.0	S44350				
Zinc	218612-1	0.02 mg/l	80.2	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1424 by 313		
	218612-1	0.02 mg/l	90.4	75.0-125	S44350	07Dec17 1600 by 333	08Dec17 1430 by 313		
	Relative Percent Difference:		4.11	20.0	S44350				



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LABORATORY BLANK RESULTS

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>PQL</u>	<u>QC Sample</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Qual</u>
Total Cyanide	< 0.01 mg/l	0.01	0.01	W62227-1	08Dec17 0826 by 326	11Dec17 1327 by 326	
Cadmium	< 0.004 mg/l	0.004	0.004	S44350-1	07Dec17 1600 by 333	08Dec17 1407 by 313	
Chromium	< 0.01 mg/l	0.01	0.01	S44350-1	07Dec17 1600 by 333	08Dec17 1407 by 313	
Copper	< 0.006 mg/l	0.006	0.006	S44350-1	07Dec17 1600 by 333	08Dec17 1407 by 313	
Lead	< 0.0005 mg/l	0.0005	0.0005	S44350-1	07Dec17 1600 by 333	08Dec17 1407 by 313	
Nickel	< 0.01 mg/l	0.01	0.01	S44350-1	07Dec17 1600 by 333	08Dec17 1407 by 313	
Silver	< 0.007 mg/l	0.007	0.007	S44350-1	07Dec17 1600 by 333	08Dec17 1407 by 313	
Zinc	< 0.01 mg/l	0.01	0.01	S44350-1	07Dec17 1600 by 333	08Dec17 1407 by 313	
Oil and Grease	< 5 mg/l	5	5	B10743-1	13Dec17 1554 by 285	13Dec17 1814 by 285	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: B & M Painting Co., Inc.			PO No. AE 120617 -Lab-1		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: 218682	
Project Reference: Semi Annual RPT.			MATRIX			Cadmium	Chromium	Copper	Lead	Nickel	Silver	Zinc	Oil & Grease	Cyanide	AIC PROPOSAL NO:		
Project Manager: Tracy Payne			G R A B	C O M P	W A T E R	S O I L	NO OF BOTTLES	Cadmium	Chromium	Copper	Lead	Nickel	Silver	Zinc	Oil & Grease	Cyanide	Carrier: UPS
Sampled By: Sandy White																	Received Temperature C 0.1
AIC No.	Sample Identification	Date/Time Collected															Remarks
①	1 POTW1	12-6-17 10:00															
		12-6-17 12:00															
		12-6-17 2:00		X			1	X	X	X	X	X	X	X			
②	2 POTW1	12-6-17 10:00	X				1							X			
②	3-POTW1	12-6-17 10:00	X				1								X		
Field pH calibration on _____ @ _____ Buffer:																	
G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate			NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate			A = (NH ₄) ₂ SO ₄ , NH ₄ OH											
Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN <u>1</u> DAYS							Relinquished By: Sandy White		Date/Time 3:30 PM		Received By:		Date/Time				
Expedited results requested by: 12-13-17									12-6-17								
Who should AIC contact with questions: Phone 836-3388 Fax: 836-3399							Relinquished By:		Date/Time		Received in Lab By: D.R.		Date/Time 12-7-17 1000				
Report Attention to: Tracy Payne							Comments: 12 X69 7W5 01 5657 7289										
Report Address to: 347 Van Buren St. Camden, AR 71701																	
Email Address:																	