

Gage, Hannah

From: Gilliam, Allen
Sent: Monday, October 31, 2016 3:41 PM
To: brian niswonger
Cc: Gage, Hannah; Yates, Adam; McWilliams, Carrie; Leamons, Bryan; Walnut Ridge John Kopp (wrcww@att.net)
Subject: AR0046566_Industrial Metal Finishing Nos 1 and 2 ARP001023 and ARP001024 Oct 2016 semi annual Pretreatment report_20161031
Attachments: October 2016 American Interplex Analytical.pdf; CIU_semi annual report_FORM_433 Facility 1 October 2016.doc; CIU_semi annual report_FORM_433 Facility2 October 2016.doc; Oct 2016 zinc.pdf

Brian,

Industrial Metal Finishing's (IMF) two (2) facilities' October 2016 semi-annual reports were electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(i) and more specifically in compliance with the Metal Finishing standards in 40 CFR 433.17.

It's noted you took two samples of IMF's #2 wastewater during the month of October to successfully show compliance with the CFR 433.17 Zinc monthly average. Kudos for thinking ahead.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: John Kopp, Walnut Ridge Wastewater Manager

E/NPDES/NPDES/Pretreatment/Reports

From: bniswonger@indmetalfinishings.com [<mailto:bniswonger@indmetalfinishings.com>]
Sent: Monday, October 31, 2016 3:16 PM
To: Gilliam, Allen
Cc: MAYOR Walnut Ridge; Lester Herring
Subject: semi annual report

Hello,

Find attach our semi-annual reports. Thank you and have a great day.

Brian Niswonger
President
Industrial Metal Finishing, Inc.
Tel#(870)886-7531
Cell#(870)378-1977
Fax#(870)886-9546
email bniswonger@indmetalfinishings.com




Industrial Metal Finishing Inc.
ATTN: Mr. Bill Niswonger
Post Office Box 326
Pocahontas, AR 72455

This report contains the analytical results and supporting information for samples submitted on October 13, 2016. 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: Industrial Metal Finishing Inc.
ATTN: Mr. Bill Niswonger

Industrial Metal Finishing Inc.
Post Office Box 326
Pocahontas, AR 72455

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on October 13, 2016

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>
206369-1	IMF 1	11-Oct-2016 1623	
206369-2	IMF 2	11-Oct-2016 1615	

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).

Industrial Metal Finishing Inc.
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Pocahontas, AR 72455

ANALYTICAL RESULTS

AIC No. 206369-1

Sample Identification: IMF 1 11-Oct-2016 1623

Analyte		Result	RL	Units	Qualifier
Total Cyanide		< 0.01	0.01	mg/l	
SM 4500-CN C,E 1999	Prep: 19-Oct-2016 0930 by 319	Analyzed: 19-Oct-2016 1253 by 319		Batch: W57554	
Cadmium		< 0.004	0.004	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1504 by 308		Batch: S41909	
Chromium		0.025	0.007	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1504 by 308		Batch: S41909	
Copper		0.013	0.006	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1504 by 308		Batch: S41909	
Lead		< 0.04	0.04	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1504 by 308		Batch: S41909	
Nickel		0.012	0.01	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1504 by 308		Batch: S41909	
Silver		< 0.007	0.007	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1504 by 308		Batch: S41909	
Zinc		2.5	0.002	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1504 by 308		Batch: S41909	

AIC No. 206369-2

Sample Identification: IMF 2 11-Oct-2016 1615

Analyte		Result	RL	Units	Qualifier
Total Cyanide		< 0.01	0.01	mg/l	
SM 4500-CN C,E 1999	Prep: 19-Oct-2016 0930 by 319	Analyzed: 19-Oct-2016 1255 by 319		Batch: W57554	
Cadmium		< 0.004	0.004	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1526 by 308		Batch: S41909	
Chromium		0.018	0.007	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1526 by 308		Batch: S41909	
Copper		0.050	0.006	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1526 by 308		Batch: S41909	
Lead		< 0.04	0.04	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1526 by 308		Batch: S41909	
Nickel		< 0.01	0.01	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1526 by 308		Batch: S41909	
Silver		< 0.007	0.007	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1526 by 308		Batch: S41909	
Zinc		0.41	0.002	mg/l	
EPA 200.7	Prep: 13-Oct-2016 1003 by 235	Analyzed: 13-Oct-2016 1526 by 308		Batch: S41909	

Industrial Metal Finishing Inc.
Post Office Box 326
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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	98.2	85.0-115			W57554	19Oct16 0930 by 319	19Oct16 1245 by 319		
Cadmium	5 mg/l	103	85.0-115			S41909	13Oct16 0927 by 313	13Oct16 1451 by 308		
Chromium	0.5 mg/l	101	85.0-115			S41909	13Oct16 0927 by 313	13Oct16 1451 by 308		
Copper	0.5 mg/l	97.0	85.0-115			S41909	13Oct16 0927 by 313	13Oct16 1451 by 308		
Lead	5 mg/l	99.8	85.0-115			S41909	13Oct16 0927 by 313	13Oct16 1451 by 308		
Nickel	0.5 mg/l	101	85.0-115			S41909	13Oct16 0927 by 313	13Oct16 1451 by 308		
Silver	0.1 mg/l	111	85.0-115			S41909	13Oct16 0927 by 313	13Oct16 1451 by 308		
Zinc	0.5 mg/l	101	85.0-115			S41909	13Oct16 0927 by 313	13Oct16 1451 by 308		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	206361-1	0.1 mg/l	94.3	75.0-125	W57554	19Oct16 0930 by 319	19Oct16 1249 by 319		
	206361-1	0.1 mg/l	98.9	75.0-125	W57554	19Oct16 0930 by 319	19Oct16 1251 by 319		
	Relative Percent Difference:		3.68	20.0	W57554				
Cadmium	206365-1	5 mg/l	99.8	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1604 by 308		
	206365-1	5 mg/l	96.4	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1607 by 308		
	Relative Percent Difference:		3.47	20.0	S41909				
Chromium	206365-1	0.5 mg/l	99.6	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1604 by 308		
	206365-1	0.5 mg/l	97.2	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1607 by 308		
	Relative Percent Difference:		2.44	20.0	S41909				
Copper	206365-1	0.5 mg/l	96.8	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1604 by 308		
	206365-1	0.5 mg/l	94.0	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1607 by 308		
	Relative Percent Difference:		2.94	20.0	S41909				
Lead	206365-1	5 mg/l	97.8	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1604 by 308		
	206365-1	5 mg/l	95.4	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1607 by 308		
	Relative Percent Difference:		2.48	20.0	S41909				
Nickel	206365-1	0.5 mg/l	96.8	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1604 by 308		
	206365-1	0.5 mg/l	94.4	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1607 by 308		
	Relative Percent Difference:		2.34	20.0	S41909				
Silver	206365-1	0.1 mg/l	110	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1604 by 308		
	206365-1	0.1 mg/l	108	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1607 by 308		
	Relative Percent Difference:		1.83	20.0	S41909				
Zinc	206365-1	0.5 mg/l	96.9	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1604 by 308		
	206365-1	0.5 mg/l	94.1	75.0-125	S41909	13Oct16 0927 by 313	13Oct16 1607 by 308		
	Relative Percent Difference:		2.71	20.0	S41909				



Industrial Metal Finishing Inc.
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Pocahontas, AR 72455

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Total Cyanide	< 0.01 mg/l	0.01	0.01	W57554-1	19Oct16 0930 by 319	19Oct16 1243 by 319	
Cadmium	< 0.004 mg/l	0.004	0.004	S41909-1	13Oct16 0927 by 313	13Oct16 1448 by 308	
Chromium	< 0.007 mg/l	0.007	0.007	S41909-1	13Oct16 0927 by 313	13Oct16 1448 by 308	
Copper	< 0.006 mg/l	0.006	0.006	S41909-1	13Oct16 0927 by 313	13Oct16 1448 by 308	
Lead	< 0.04 mg/l	0.04	0.04	S41909-1	13Oct16 0927 by 313	13Oct16 1448 by 308	
Nickel	< 0.01 mg/l	0.01	0.01	S41909-1	13Oct16 0927 by 313	13Oct16 1448 by 308	
Silver	< 0.007 mg/l	0.007	0.007	S41909-1	13Oct16 0927 by 313	13Oct16 1448 by 308	
Zinc	< 0.002 mg/l	0.002	0.002	S41909-1	13Oct16 0927 by 313	13Oct16 1448 by 308	

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: <u>Industrial Metal Finishing</u>			PO No.		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: <u>206369</u>						
Project Reference:			MATRIX			WATER	SOIL	METALS	CYANIDE											AIC PROPOSAL NO:		
Project Manager: <u>Brian Niswonger</u>			GRA	COMP	A					S	L											
Sampled By: <u>Brian Niswonger</u>						Received Temperature C <u>0.1</u>																
AIC No.	Sample Identification	Date/Time Collected	B	P	R	L	S														Remarks	
1	IMF1M	10/11/14 4:23pm		X	X			1		X												
1	IMF1C	10/11/14 4:23pm		X	X			1			X											
2	IMF2M	10/11/14 4:15pm		X	X			1		X												
2	IMF2C	10/11/14 4:16pm		X	X			1			X											
		Container Type								P	P										Field pH calibration	
		Preservative								N	B										on _____ @ _____ Buffer:	
G = Glass NO = none			P = Plastic S = Sulfuric acid pH2			V = VOA vials N = Nitric acid pH2			H = HCl to pH2 B = NaOH to pH12			T = Sodium Thiosulfate Z = Zinc acetate			A = (NH ₄) ₂ SO ₄ , NH ₄ OH							
Turnaround Time Requested: (Please circle) <u>NORMAL</u> or EXPEDITED IN _____ DAYS								Relinquished By: <u>[Signature]</u>		Date/Time 10/12/14 3:05pm		Received By: <u>[Signature]</u>		Date/Time 10-12-14 3:05pm								
Expedited results requested by: _____								Relinquished By:		Date/Time		Received in Lab By: <u>[Signature]</u>		Date/Time 10/13/14 0920								
Who should AIC contact with questions: Phone: _____ Fax: _____ Report Attention to: Report Address to:								Comments: <u>Samples were taken every 2 hrs in a 8 hr work day.</u>														
Email Address: <u>bniswonger@indmetalfinishing.com</u>																						

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Industrial Metal Finishing, Inc.
P.O. Box 326
Pocahontas, AR 72455

B. FACILITY & LOCATION ADDRESS

Industrial Metal Finishing, Inc.
329 Frazier Street
Walnut Ridge, AR 72476

C. FACILITY CONTACT: Brian Niswonger **TELEPHONE NUMBER:** (870)886-7531 **e-mail:**bniswonger@indmetalfinishings.com

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

A. MONTHS WHICH REPORTS ARE DUE

April & October

B. PERIOD COVERED BY THIS REPORT

FROM: April 2016 TO: October 2016

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating
- Electroless Plating
 - Anodizing
 - Coating
 - Chemical Etching and Milling
 - Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

- Black Oxide(ferrous metals)**
 - Zinc Phosphate(ferrous metals)**
 - Chloride Zinc(ferrous metals)**
- _____
- _____
- _____

*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

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.

C. Number of Regular Employees at this Facility

7

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Regulated (Cyanide)	4620	6250	continuous
§403.6(e) Unregulated*	0	0	
§403.6(e) Dilute	0	0	
Cooling Water	0	0	
Sanitary	175	200	batch
Total Flow to POTW	4795	6450	*****

*"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 _____
- 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.

Pollutant(mg/l)	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 Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.004	0.025	0.013	<0.04	0.012	<0.007	2.5	<0.01	n/a
Ave Measured							1.34		

Sample Location Effluent Sampling Point *(schematic drawing)*

Sample Type (Grab or Composite) Composite

Number of Samples and Frequency Collected 4; 2 hrs.

40CFR136 Preservation and Analytical Methods Use: Yes No

(6) CERTIFICATION

A. [Reserved]

[Reserved]

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 Niswonger
(Typed Name)



Brian Niswonger 10/31/16
(Corporate Officer or authorized representative)

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS)
COUNTY OF _____)

Before me, the undersigned authority, on this day personally appeared _____ of _____, 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 _____ day of _____, 200__.

Notary Public in and for _____
County, Arkansas

My commission expires _____.

(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:

(8) GENERAL COMMENTS

(9) SIGNATORY REQUIREMENTS [40CFR403.12(i)]

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.

Brian Niswonger



Brian Niswonger

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

President
OFFICIAL TITLE

DATE SIGNED 10/31/16

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

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Industrial Metal Finishing, Inc.
P.O. Box 326
Pocahontas, AR 72455

B. FACILITY & LOCATION ADDRESS

Industrial Metal Finishing, Inc.
105 Beacon Road
Walnut Ridge, AR 72476

C. FACILITY CONTACT: Brian Niswonger TELEPHONE NUMBER: (870)886-7531 e-mail:bniswonger@indmetalfinishings.com

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

A. MONTHS WHICH REPORTS ARE DUE

April & October

B. PERIOD COVERED BY THIS REPORT

FROM: April 2016 TO: October 2016

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating**
- Electroless Plating**
- Anodizing**
- Coating**
- Chemical Etching and Milling**
- Printed Circuit Board Manufacture**

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

Alkaline Zinc(ferrous metals)

*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

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.

C. Number of Regular Employees at this Facility

3

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Regulated (Cyanide)	2215	2500	continuous
§403.6(e) Unregulated*	0	0	
§403.6(e) Dilute	0	0	
Cooling Water	0	0	
Sanitary	75	125	batch
Total Flow to POTW	2290	2625	*****

*"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 _____
- 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.

Pollutant(mg/l)	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 Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.004	0.018	0.050	<0.04	<0.01	<0.007	0.41	<0.01	n/a
Ave Measured									

Sample Location Effluent Sampling Point *(schematic drawing)*

Sample Type (Grab or Composite) Composite

Number of Samples and Frequency Collected 4; 2 hrs.

40CFR136 Preservation and Analytical Methods Use: Yes No

(6) CERTIFICATION

A. [Reserved]

[Reserved]

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 Niswonger
(Typed Name)



Brian Niswonger 10/31/16
(Corporate Officer or authorized representative)

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS)
COUNTY OF _____)

Before me, the undersigned authority, on this day personally appeared _____ of _____, 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 _____ day of _____, 200__.

Notary Public in and for _____
County, Arkansas

My commission expires _____.

(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:

(8) GENERAL COMMENTS

(9) SIGNATORY REQUIREMENTS [40CFR403.12(I)]

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.

Brian Niswonger



Brian Niswonger

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE

President
OFFICIAL TITLE

DATE SIGNED 10/31/16




Industrial Metal Finishing Inc.
ATTN: Mr. Brian Niswonger
329 Frazier St
Walnut Ridge, AR 72476

This report contains the analytical results and supporting information for the sample submitted on October 27, 2016. 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: Industrial Metal Finishing Inc.
ATTN: Mr. Brian Niswonger
bniswonger@indmetalfinishings.com



Industrial Metal Finishing Inc.
329 Frazier St
Walnut Ridge, AR 72476

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on October 27, 2016
October Zinc

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>
206789-1	IMF 1 Z	25-Oct-2016 1600	

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).



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ANALYTICAL RESULTS

AIC No. 206789-1

Sample Identification: IMF 1 Z 25-Oct-2016 1600

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Zinc EPA 200.7	0.18 Prep: 27-Oct-2016 1701 by 313 Analyzed: 28-Oct-2016 0838 by 308	0.002	mg/l Batch: S41997	



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 Walnut Ridge, AR 72476

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Zinc	0.5 mg/l	101	85.0-115			S41997	27Oct16 1701 by 313	28Oct16 0826 by 308		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Zinc	206789-1	0.5 mg/l	94.0	75.0-125	S41997	27Oct16 1701 by 313	28Oct16 0830 by 308		
	206789-1	0.5 mg/l	93.8	75.0-125	S41997	27Oct16 1701 by 313	28Oct16 0834 by 308		
Relative Percent Difference:			0.129	20.0	S41997				

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Zinc	< 0.002 mg/l	0.002	0.002	S41997-1	27Oct16 1701 by 313	28Oct16 0822 by 308	

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: <i>Industrial Metal Finishing</i>			PO No.			NO OF B O T T L E S	ANALYSES REQUESTED										AIC CONTROL NO: <i>206789</i>												
Project Reference: <i>October ZINC</i>			MATRIX				Z I N C											AIC PROPOSAL NO:											
Project Manager: <i>Brian Niswonger</i>			G R A B	C O M P	W A T E R			S O I L											Carrier:										
Sampled By: <i>Brian Niswonger</i>																			Received Temperature C <i>24.4</i>										
AIC No.	Sample Identification	Date/Time Collected																				Remarks							
<i>1</i>	<i>IMF1Z</i>	<i>10/25/14 4:00</i>		<i>X</i>	<i>X</i>			<i>1</i>	<i>X</i>																				
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 <u>EXPEDITED</u> IN <u>2</u> DAYS										Relinquished By: <i>[Signature]</i>					Date/Time: <i>10/24 5:24pm</i>					Received By:					Date/Time:				
Expedited results requested by: <i>Brian Niswonger</i>										Relinquished By:					Date/Time:					Received in Lab By: <i>[Signature]</i>					Date/Time: <i>10/27/14 0920</i>				
Who should AIC contact with questions:										Comments: <i>UP# 12 398 2W2 03 9025 7247</i>																			
Phone: _____ Fax: _____																													
Report Attention to:																													
Report Address to:																													
Email Address:																													