

Wilson, Tabatha

From: Gilliam, Allen
Sent: Tuesday, April 22, 2014 3:51 PM
To: 'bniswonger@indmetalfinishings.com' (bniswonger@indmetalfinishings.com)
Cc: Fuller, Kim; Wilson, Tabatha; wrcww@att.net; Ramsey, David
Subject: AR0046566_Industrial Metal Finishers Facilities 1 and 2 ARP001023 and ARP001024
April 2014 semi annual Pretreatment reports with ADEQ reply_20140422
Attachments: APRIL 2014 American Interplex Analytical.pdf; CIU_semi annual report_FORM_433
Facility 1 APRIL 2014.doc; CIU_semi annual report_FORM_433 Facility2 April 2014.doc

Brian,

Industrial Metal Finishing's April 2014 semi-annual Pretreatment reports for its two (2) facilities were electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically in compliance with the regulated Pretreatment standards under the Metal Finishing category in 40 CFR 433.17. There is no additional action deemed necessary at this time.

Thank you for your timely reports remaining in compliance with the Federal Pretreatment Regulations in 40 CFR 403.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

cc: John Kopp, Walnut Ridge Wastewater Manager
David Ramsey, ICIS Program Supervisor

E/NPDES/NPDES/Pretreatment/Reports

From: bniswonger@indmetalfinishings.com [<mailto:bniswonger@indmetalfinishings.com>]
Sent: Tuesday, April 22, 2014 2:38 PM
To: Gilliam, Allen
Cc: MAYOR Walnut Ridge; Lester Herring
Subject: Semi-annual report

Good Afternoon,

Attached you will find our analytical and semi annual report scheduled for the month of April. If you need any further information please let me know. Have a great day!

Thank you.

Brian Niswonger
President

Industrial Metal Finishing, Inc.

Tel#(870)886-7531

Cell#(870)378-1977

Fax#(870)886-9546

email bniswonger@indmetalfinishings.com

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: October 2013 TO: April 2014

(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

5

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	5860	8790	continuous
Regulated (Cyanide)	0	0	
§403.6(e) Unregulated*	0	0	
§403.6(e) Dilute	0	0	
Cooling Water	0	0	
Sanitary	125	200	batch
Total Flow to POTW	5985	8990	*****

*"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	<0.007	0.020	<0.04	<0.01	<0.007	0.23	<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: x 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 04/22/14
(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 04/22/14

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

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Attn: Water Div/NPDES Pretreatment

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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

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April & October

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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 & Ancillary)	3570	4500	continuous
Regulated (Cyanide)	0	0	
§403.6(e) Unregulated*	0	0	
§403.6(e) Dilute	0	0	
Cooling Water	0	0	
Sanitary	75	125	batch
Total Flow to POTW	3645	4625	*****

*"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	<0.007	0.098	<0.04	<0.01	<0.007	0.16	<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 04/22/14
(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 04/22/14




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 April 17, 2014. 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 Laboratory Director or a qualified designee.



John Overbey
Laboratory Director

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.
Post Office Box 326
Pocahontas, AR 72455

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on April 17, 2014
April 2014

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>
177593-1	IMF 1M, 1C 4-16-14 3:45pm	16-Apr-2014 1545	
177593-2	IMF 2M, 2C 4-16-14 3:58m	16-Apr-2014 1558	

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", 21st edition.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

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

ANALYTICAL RESULTS

AIC No. 177593-1

Sample Identification: IMF 1M, 1C 4-16-14 3:45pm

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide		< 0.01	0.01	mg/l	
SM 4500-CN C,E 1999	Prep: 18-Apr-2014 0833 by 308	Analyzed: 18-Apr-2014 1716 by 308		Batch: W47387	
Cadmium		< 0.004	0.004	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0843 by 305		Batch: S36640	
Chromium		< 0.007	0.007	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0843 by 305		Batch: S36640	
Copper		0.020	0.006	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0843 by 305		Batch: S36640	
Lead		< 0.04	0.04	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0843 by 305		Batch: S36640	
Nickel		< 0.01	0.01	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0843 by 305		Batch: S36640	
Silver		< 0.007	0.007	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0843 by 305		Batch: S36640	
Zinc		0.23	0.002	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0843 by 305		Batch: S36640	

AIC No. 177593-2

Sample Identification: IMF 2M, 2C 4-16-14 3:58m

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide		< 0.01	0.01	mg/l	
SM 4500-CN C,E 1999	Prep: 18-Apr-2014 0833 by 308	Analyzed: 18-Apr-2014 1717 by 308		Batch: W47387	
Cadmium		< 0.004	0.004	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0848 by 305		Batch: S36640	
Chromium		< 0.007	0.007	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0848 by 305		Batch: S36640	
Copper		0.098	0.006	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0848 by 305		Batch: S36640	
Lead		< 0.04	0.04	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0848 by 305		Batch: S36640	
Nickel		< 0.01	0.01	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0848 by 305		Batch: S36640	
Silver		< 0.007	0.007	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0848 by 305		Batch: S36640	
Zinc		0.16	0.002	mg/l	
EPA 200.8	Prep: 17-Apr-2014 1154 by 305	Analyzed: 18-Apr-2014 0848 by 305		Batch: S36640	

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

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	105	85.0-115			W47387	18Apr14 0833 by 308	18Apr14 1706 by 308		
Cadmium	0.05 mg/l	103	85.0-115			S36640	17Apr14 0945 by 305	17Apr14 1546 by 305		
Chromium	0.05 mg/l	102	85.0-115			S36640	17Apr14 0945 by 285	17Apr14 1546 by 305		
Copper	0.05 mg/l	97.8	85.0-115			S36640	17Apr14 0945 by 305	17Apr14 1546 by 305		
Lead	0.05 mg/l	100	85.0-115			S36640	17Apr14 0945 by 305	17Apr14 1546 by 305		
Nickel	0.05 mg/l	98.5	85.0-115			S36640	17Apr14 0945 by 285	17Apr14 1546 by 305		
Silver	0.02 mg/l	92.7	85.0-115			S36640	17Apr14 0945 by 305	17Apr14 1546 by 305		
Zinc	0.05 mg/l	97.4	85.0-115			S36640	17Apr14 0945 by 285	17Apr14 1546 by 305		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	177629-1	0.1 mg/l	97.8	75.0-125	W47387	18Apr14 0833 by 308	18Apr14 1710 by 308		
	177629-1	0.1 mg/l	95.2	75.0-125	W47387	18Apr14 0833 by 308	18Apr14 1712 by 308		
	Relative Percent Difference:		2.65	20.0	W47387				
Cadmium	177582-4	0.05 mg/l	100	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1551 by 305		
	177582-4	0.05 mg/l	99.6	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1556 by 305		
	Relative Percent Difference:		0.482	20.0	S36640				
Chromium	177582-4	0.05 mg/l	99.8	75.0-125	S36640	17Apr14 0945 by 285	17Apr14 1551 by 305		
	177582-4	0.05 mg/l	98.8	75.0-125	S36640	17Apr14 0945 by 285	17Apr14 1556 by 305		
	Relative Percent Difference:		0.974	20.0	S36640				
Copper	177582-4	0.05 mg/l	95.6	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1551 by 305		
	177582-4	0.05 mg/l	95.6	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1556 by 305		
	Relative Percent Difference:		0.0572	20.0	S36640				
Lead	177582-4	0.05 mg/l	95.1	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1551 by 305		
	177582-4	0.05 mg/l	94.2	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1556 by 305		
	Relative Percent Difference:		0.907	20.0	S36640				
Nickel	177582-4	0.05 mg/l	95.1	75.0-125	S36640	17Apr14 0945 by 285	17Apr14 1551 by 305		
	177582-4	0.05 mg/l	94.1	75.0-125	S36640	17Apr14 0945 by 285	17Apr14 1556 by 305		
	Relative Percent Difference:		1.00	20.0	S36640				
Silver	177582-4	0.02 mg/l	88.5	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1551 by 305		
	177582-4	0.02 mg/l	88.7	75.0-125	S36640	17Apr14 0945 by 305	17Apr14 1556 by 305		
	Relative Percent Difference:		0.203	20.0	S36640				
Zinc	177582-4	0.05 mg/l	91.0	75.0-125	S36640	17Apr14 0945 by 285	17Apr14 1551 by 305		
	177582-4	0.05 mg/l	89.6	75.0-125	S36640	17Apr14 0945 by 285	17Apr14 1556 by 305		
	Relative Percent Difference:		1.40	20.0	S36640				



Industrial Metal Finishing Inc.
Post Office Box 326
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	W47387-1	18Apr14 0833 by 308	18Apr14 1705 by 308	
Cadmium	< 0.004 mg/l	0.004	0.004	S36640-1	17Apr14 0945 by 305	17Apr14 1541 by 305	
Chromium	< 0.007 mg/l	0.007	0.007	S36640-1	17Apr14 0945 by 285	17Apr14 1541 by 305	
Copper	< 0.006 mg/l	0.006	0.006	S36640-1	17Apr14 0945 by 305	17Apr14 1541 by 305	
Lead	< 0.04 mg/l	0.04	0.04	S36640-1	17Apr14 0945 by 305	17Apr14 1541 by 305	
Nickel	< 0.01 mg/l	0.01	0.01	S36640-1	17Apr14 0945 by 285	17Apr14 1541 by 305	
Silver	< 0.007 mg/l	0.007	0.007	S36640-1	17Apr14 0945 by 305	17Apr14 1541 by 305	
Zinc	< 0.002 mg/l	0.002	0.002	S36640-1	17Apr14 0945 by 285	17Apr14 1541 by 305	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

Client: Industrial Metal Finishing		AIC CONTROL NO: 177593	
Project Reference: April 2014		AIC PROPOSAL NO:	
Project Manager: Brian Aswarger		Carrier/Tracking No. UPS	
Sampled By: Brian Aswarger		Received Temperature C 0.7°C	
Remarks:		Remarks:	

AIC No.	Sample Identification	Date/Time Collected	G R A B	C O M P	SAMPLE MATRIX		NO OF BOTTLES	ANALYSES REQUESTED				Field pH calibration on @ Buffer:	
					W A T E R	S O I L		M E T A L S	C Y A N I D E	H = HCl to pH2	B = NaOH to pH12		T = Sodium Thiosulfate
	IME 1 M	4-16-14 3:45		X	X		1	X					
	IME 1 C	4-16-14 3:45		X			1	X					
	IMF 2 M	4-16-14 3:58		X			1	X					
	IMF 2 C	4-16-14 3:58		X			1	X					

Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN ___ DAYS	Relinquished By: <i>[Signature]</i> 4-16-14 4:30pm	Received By: <i>[Signature]</i> 4/16/14 04:30pm
Who should AIC contact with questions: _____	Relinquished By: _____	Received in Lab By: <i>[Signature]</i> 4/17/14
Phone: _____	Container Type: _____	Comments: <i>Samples were taken every 2 hours during an 8 hour work period.</i>
Fax: _____	Preservative: _____	