



September 11, 2019

Arcelor Mittal USA, Inc.
250 W US Highway 12
Burns Harbor, IN 46304-9745

Work Order No.: 19H1859

Re: Daily

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 14 sample(s) on 8/29/2019 10:25:00AM for the analyses presented in the following report as Work Order 19H1859.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please contact your project manager. For any feedback, please contact Ron Misiunas, Division Manager, at ron.misiunas@microbac.com.

Sincerely,
Microbac Laboratories, Inc.

A handwritten signature in black ink that reads "Carey Gadzala". The signature is written in a cursive, flowing style.

Carey Gadzala
Project Manager

[Microbac Laboratories, Inc.](http://www.microbac.com)

250 West 84th Drive | Merrillville, IN 46410 | 800.536.8379 p | 219.769.8378 p | 219.769.1664 f | www.microbac.com



WORK ORDER SAMPLE SUMMARY

Date: *Wednesday, September 11, 2019*

Client: Arcelor Mittal USA, Inc.
Project: Daily
Lab Order: 19H1859

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
19H1859-01	011-Composite	011	08/28/2019 05:50	8/29/2019 10:25:00AM
19H1859-02	011-Grab	011	08/28/2019 05:50	8/29/2019 10:25:00AM
19H1859-03	001-Composite	001	08/28/2019 06:11	8/29/2019 10:25:00AM
19H1859-04	001-Grab	001	08/28/2019 06:11	8/29/2019 10:25:00AM
19H1859-05	Mixed Liquor-Grab	Mixed Liquor	08/29/2019 06:29	8/29/2019 10:25:00AM
19H1859-06	J-Box-Grab	J-Box	08/29/2019 06:25	8/29/2019 10:25:00AM
19H1859-07	RSB FT Overflow-Grab	RSB FT Overflow	08/29/2019 07:17	8/29/2019 10:25:00AM
19H1859-08	999-Grab	999	08/29/2019 07:05	8/29/2019 10:25:00AM
19H1859-09	002-Grab	002	08/28/2019 07:26	8/29/2019 10:25:00AM
19H1859-10	CM1-Grab	CM1	08/29/2019 00:00	8/29/2019 10:25:00AM
19H1859-11	CM2-Grab	CM2	08/29/2019 00:00	8/29/2019 10:25:00AM
19H1859-12	CM6 Grab	CM6	08/29/2019 00:00	8/29/2019 10:25:00AM
19H1859-13	HM2-Grab	HM2	08/29/2019 00:00	8/29/2019 10:25:00AM
19H1859-14	HM3-Grab	HM3	08/29/2019 00:00	8/29/2019 10:25:00AM

Field Results

Client:	Arcelor Mittal USA, Inc.	Work Order:	19H1859
Client Project:	Daily		
Client Sample ID:	011-Grab	Work Order/ID:	19H1859-02
Sample Description:	011	Sampled:	08/28/2019 05:50
Matrix:	Aqueous	Received:	08/29/2019 10:25

Analyses	Result	Units
FLD_CL_TITR	0.00	mg/L
pH	7.7	pH Units

Client Sample ID:	001-Grab	Work Order/ID:	19H1859-04
Sample Description:	001	Sampled:	08/28/2019 06:11
Matrix:	Aqueous	Received:	08/29/2019 10:25

Analyses	Result	Units
FLD_CL_TITR	0.00	mg/L
pH	7.7	pH Units

Client Sample ID:	J-Box-Grab	Work Order/ID:	19H1859-06
Sample Description:	J-Box	Sampled:	08/29/2019 06:25
Matrix:	Aqueous	Received:	08/29/2019 10:25

Analyses	Result	Units
pH	8.6	pH Units

Client Sample ID:	RSB FT Overflow-Grab	Work Order/ID:	19H1859-07
Sample Description:	RSB FT Overflow	Sampled:	08/29/2019 07:17
Matrix:	Aqueous	Received:	08/29/2019 10:25

Analyses	Result	Units
pH	9.0	pH Units

Client Sample ID:	999-Grab	Work Order/ID:	19H1859-08
Sample Description:	999	Sampled:	08/29/2019 07:05
Matrix:	Aqueous	Received:	08/29/2019 10:25

Analyses	Result	Units
pH	8.1	pH Units

Client Sample ID:	002-Grab	Work Order/ID:	19H1859-09
Sample Description:	002	Sampled:	08/28/2019 07:26
Matrix:	Aqueous	Received:	08/29/2019 10:25

Analyses	Result	Units
pH	8.3	pH Units



CASE NARRATIVE

Date: *Wednesday, September 11, 2019*

Client: Arcelor Mittal USA, Inc.

Project: Daily

Lab Order: 19H1859

Report has been revised at the clients request to include Cu and Ag for Outfall 001. 9/11/19

Microbac Laboratories, Inc.

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Analytical Results

Date: Wednesday, September 11, 2019

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-01
Client Project:	Daily	Sampled:	08/28/2019 5:50
Client Sample ID:	011-Composite	Received:	08/29/2019 10:25
Sample Description:	011		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
Method: EPA 200.7 Rev 4.4									
Analyst: RPL									
Prep Date/Time: 08/30/2019 08:38									
Total Recoverable Metals by ICP									
Lead	ejj	A	0.0040	0.0033	0.0075		mg/L	1	08/30/2019 14:22
Zinc	ejj	A	ND	0.0073	0.020	U	mg/L	1	08/30/2019 14:22
Method: SM 4500-CN C/E-1999									
Analyst: ABG									
Prep Date/Time: 08/29/2019 12:12									
Total Cyanide									
Cyanide, Total	ejj	A	0.0028	0.0020	0.0050		mg/L	1	08/29/2019 14:26
Method: SW-846 9014									
Analyst: ABG									
Prep Date/Time: 08/29/2019 12:04									
Free Cyanide									
Free Cyanide		A	ND		0.0062		mg/L	1	08/29/2019 14:06
Method: EPA 350.1 Rev 2.0									
Analyst: ABG									
Prep Date/Time: 08/29/2019 14:15									
Nitrogen, Ammonia as N									
Nitrogen, Ammonia (As N)	ei	A	0.37	0.054	0.10		mg/L	1	08/29/2019 15:37
Method: EPA 420.4 Rev 1.0									
Analyst: ABG									
Prep Date/Time: 08/29/2019 12:55									
Total Phenolics									
Phenolics, Total Recoverable	ejj	A	0.0096	0.0060	0.010		mg/L	1	08/29/2019 16:32
Method: SM 2540 D-1997									
Analyst: KMT									
Prep Date/Time: 08/29/2019 11:13									
Total Suspended Solids									
Total Suspended Solids	ejj	A	2.2	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: Wednesday, September 11, 2019

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-02
Client Project:	Daily	Sampled:	08/28/2019 5:50
Client Sample ID:	011-Grab	Received:	08/29/2019 10:25
Sample Description:	011		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed	
			Method: EPA 1664B				Analyst: KMT			
Oil & Grease (HEM) by SPE										
Prep Date/Time: 08/29/2019 07:40										
Oil & Grease (HEM)	ejj	A	ND	1.4	5.0	U	mg/L	1	08/29/2019 14:30	

Analytical Results

Date: Wednesday, September 11, 2019

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-03
Client Project:	Daily	Sampled:	08/28/2019 6:11
Client Sample ID:	001-Composite	Received:	08/29/2019 10:25
Sample Description:	001		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
Method: EPA 200.7 Rev 4.4									
Analyst: RPL									
Prep Date/Time: 08/30/2019 08:38									
Total Recoverable Metals by ICP									
Copper	ejj	A	0.0026	0.0013	0.010		mg/L	1	08/30/2019 14:42
Lead	ejj	A	ND	0.0033	0.0075	U	mg/L	1	08/30/2019 14:42
Zinc	ejj	A	ND	0.0073	0.020	U	mg/L	1	08/30/2019 14:42
Method: EPA 200.8 Rev 5.4									
Analyst: BTM									
Prep Date/Time: 09/08/2019 12:49									
Total Recoverable Metals by ICP/MS									
Silver	ejj	A	ND	0.000053	0.00060	U	mg/L	1	09/09/2019 12:54
Method: SM 4500-CN C/E-1999									
Analyst: ABG									
Prep Date/Time: 08/29/2019 12:12									
Total Cyanide									
Cyanide, Total	ejj	A	0.0022	0.0020	0.0050		mg/L	1	08/29/2019 14:28
Method: SW-846 9014									
Analyst: ABG									
Prep Date/Time: 08/29/2019 12:04									
Free Cyanide									
Free Cyanide		A	ND		0.0062		mg/L	1	08/29/2019 14:28
Method: EPA 350.1 Rev 2.0									
Analyst: ABG									
Prep Date/Time: 08/29/2019 14:15									
Nitrogen, Ammonia as N									
Nitrogen, Ammonia (As N)	ei	A	0.24	0.054	0.10		mg/L	1	08/29/2019 15:40
Method: EPA 420.4 Rev 1.0									
Analyst: ABG									
Prep Date/Time: 08/29/2019 12:55									
Total Phenolics									
Phenolics, Total Recoverable	ejj	A	ND	0.0060	0.010	U	mg/L	1	08/29/2019 16:34
Method: SM 2540 D-1997									
Analyst: KMT									
Prep Date/Time: 08/29/2019 11:13									
Total Suspended Solids									
Total Suspended Solids	ejj	A	1.5	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: *Wednesday, September 11, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-04
Client Project:	Daily	Sampled:	08/28/2019 6:11
Client Sample ID:	001-Grab	Received:	08/29/2019 10:25
Sample Description:	001		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
Method: EPA 1664B					Analyst: KMT				
Oil & Grease (HEM) by SPE									
Oil & Grease (HEM)	ejj	A	ND	1.4	5.0	U	mg/L	1	08/29/2019 14:30

Analytical Results

Date: Wednesday, September 11, 2019

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-05
Client Project:	Daily	Sampled:	08/29/2019 6:29
Client Sample ID:	Mixed Liquor-Grab	Received:	08/29/2019 10:25
Sample Description:	Mixed Liquor		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 F-1997				Analyst: DAT		
			Prep Date/Time: 08/29/2019 10:58						
Settleable Solids									
Settleable Solids	i	A	240	1.0	1.0		ml/L	1	08/29/2019 10:58
			Method: SM 2540 D-1997				Analyst: KMT		
			Prep Date/Time: 08/29/2019 11:13						
Total Suspended Solids									
Total Suspended Solids	ejj	A	2300	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: *Wednesday, September 11, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-06
Client Project:	Daily	Sampled:	08/29/2019 6:25
Client Sample ID:	J-Box-Grab	Received:	08/29/2019 10:25
Sample Description:	J-Box		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 D-1997			Analyst: KMT			
Total Suspended Solids									
Prep Date/Time: 08/29/2019 11:13									
Total Suspended Solids	ejj	A	10	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: *Wednesday, September 11, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-10
Client Project:	Daily	Sampled:	08/29/2019 0:00
Client Sample ID:	CM1-Grab	Received:	08/29/2019 10:25
Sample Description:	CM1		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 D-1997			Analyst: KMT			
Total Suspended Solids									
Prep Date/Time: 08/29/2019 11:13									
Total Suspended Solids	ejj	A	11	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: *Wednesday, September 11, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-11
Client Project:	Daily	Sampled:	08/29/2019 0:00
Client Sample ID:	CM2-Grab	Received:	08/29/2019 10:25
Sample Description:	CM2		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 D-1997			Analyst: KMT			
Total Suspended Solids									
Prep Date/Time: 08/29/2019 11:13									
Total Suspended Solids	ejj	A	10	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: *Wednesday, September 11, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-12
Client Project:	Daily	Sampled:	08/29/2019 0:00
Client Sample ID:	CM6 Grab	Received:	08/29/2019 10:25
Sample Description:	CM6		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 D-1997			Analyst: KMT			
Total Suspended Solids									
Prep Date/Time: 08/29/2019 11:13									
Total Suspended Solids	ejj	A	20	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: *Wednesday, September 11, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-13
Client Project:	Daily	Sampled:	08/29/2019 0:00
Client Sample ID:	HM2-Grab	Received:	08/29/2019 10:25
Sample Description:	HM2		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 D-1997						
						Analyst: KMT			
						Prep Date/Time: 08/29/2019 11:13			
Total Suspended Solids									
Total Suspended Solids	ejj	A	14	1.0	1.0		mg/L	1	08/29/2019 12:45

Analytical Results

Date: *Wednesday, September 11, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19H1859-14
Client Project:	Daily	Sampled:	08/29/2019 0:00
Client Sample ID:	HM3-Grab	Received:	08/29/2019 10:25
Sample Description:	HM3		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 D-1997			Analyst: KMT			
Total Suspended Solids									
Prep Date/Time: 08/29/2019 11:13									
Total Suspended Solids	ejj	A	10	1.0	1.0		mg/L	1	08/29/2019 12:45

ANALYTE TYPES: (AT)

A, B = Target Analyte

I = Internal Standard

M = Summation Analyte

S = Surrogate

T = Tentatively Identified Compound (TIC, concentration estimated)



QC SAMPLE IDENTIFICATIONS

BLK = Method Blank

DUP = Method Duplicate

BS = Method Blank Spike

MS = Matrix Spike

ICB = Initial Calibration Blank

CCB = Continuing Calibration Blank

CRL = Client Required Reporting Limit

PDS = Post Digestion Spike

QCS = Quality Control Standard

ICSA = Interference Check Standard "A"

ICSAB = Interference Check Standard "AB"

BSD = Method Blank Spike Duplicate

MSD = Matrix Spike Duplicate

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

OPR = Ongoing Precision and Recovery Standard

SD = Serial Dilution

CERTIFICATIONS (Certs)

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

d Illinois EPA drinking water, wastewater and solid waste analysis (#200064)

i Kansas Dept Health & Env. NELAP (#E-10397)

j Kentucky Wastewater Laboratory Certification Program (#108202)

FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**MDL:** Minimum Detection Limit**RL:** Reporting Limit**RPD:** Relative Percent Difference**U:** The analyte was analyzed for but was not detected above the reported quantitation limit. The quantitation limit has been adjusted for any dilution or concentration of the sample.

Cooler Receipt Log

Cooler ID: Default Cooler

Temp: °C
The logo for Microbac Laboratories, Inc. features a stylized blue hexagonal icon to the left of the word "MICROBAC" in a bold, grey, sans-serif font, followed by a registered trademark symbol (®).

Comments

Metals sample preserved at lab

Cooler Inspection Checklist

Ice Present or not required?	Yes
Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes
Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes
Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes
Sample type identified on COC?	Yes
Correct type of Containers Received	Yes
Correct number of containers listed on COC?	Yes
Containers Intact?	Yes
COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes
Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes
Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes
Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes

Microbac Laboratories, Inc.

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Chain of Custody

ArcelorMittal Burns Harbor/Microbac Labs

Thursday

Lab Work No: 19H1859

* Date Obtained: 8-29-19
 ** Sample Date: 8-28-19

Location	Time	Sampler	Type	Preserved	Cooled	Containers			Parameters	Comments	
						Type	Qty	Vol. (ml)			
011 **	05:50	CP	Comp	No	Yes	Glass	1	4000		01	
			Grab	No	No	Plastic	1	500	pH	02	
001 **	06:11		Comp	No	Yes	Glass	1	4000		03	
			Grab	No	No	Plastic	1	125	pH	04	
Mixed Liquor *	06:29		Grab	No	No	Plastic	1	2000	TSS, Settling	05	
DIW-131 *			Grab	No	No	Plastic	1	125	pH	X	
J-Box *	06:25		Grab	No	No	Plastic	1	1000	TSS, pH	06	
RSB FT Overflow *	07:17		Grab	No	No	Plastic	1	125	pH	07	
999 *	07:05		Grab	No	No	Plastic	1	500	pH	08	
002 **	07:26		Grab	No	No	Plastic	1	125	pH	09	
SWTP *	11:4		***	Grab	No	No	Plastic	25	1000	TSS	10-14

*** WPL is for previous sample date
 **** Sample collected by Water Process personnel

No CM 3+HM1

3.5
 -0.3

 3.2

Relinquished by: CP Dubler
 Received by: R. O. O.

Date: 8-29-19 Time: 07:40
 Date: 8/29/19 Time: 0800

Env 4x Rev. 8 07/01/16 (TEK)

19H1859 Carey Gadzala
 ArcelorMittal - Burns Harbor, IN
 Daily
 08/29/2019



Microbac Laboratories - Chicagoland Division
pH - METHOD 9045D
Arcelor Mittal /Burns Harbor NPDES

Sample ID	pH		Analyst	Date/Time of Analysis
Buffer ID: Meter ID:	4: 185909	7: 188312	10: 187680	
Calibration	(4) (7) (10)		BAO	8/29/19 0800
ICV	4 (7) 10	7.00		
Slope		100.3		
Lake 999		8.10		
Location 001		7.73		
Location 002		8.32		
Location 011		7.70		
WAL 1	_____	_____		
WAL 2	_____	_____		
SWTP J-Box		8.59		
DIW 131	_____	_____		
RSB		9.03		
Dup- 002		8.33		
CCV		7.01		

Sample ID	pH		Analyst	Date/Time of Analysis
Buffer ID: Meter ID:	4:	7:	10:	
Calibration	4 / 7 / 10			
ICV	4 / 7 / 10			
Slope				
Lake 999				
Location 001				
Location 002				
Location 011				
WAL 1				
WAL 2				
SWTP J-Box				
DIW 131				
RSB				
Dup-				
CCV				

Microbac Laboratories, Inc. - Chicagoland Division
Residual Chlorine - METHOD SM 4500-Cl I-2000
Arcelor Mittal /Burns Harbor NPDES

Meter ID: BH Meter Residual Chlorine Standard: A 9074
 Iodine Reagent: _____ Acid Reagent: _____

Sample ID	Residual Chlorine	Analyst	Date/Time of Analysis
Cal Std 1	0.02 mg/L	BAO	8/27/19 0800
Cal Std 2	0.05 mg/L		
Cal Std 3	0.1 mg/L		
Slope Blank	0.00		
LCS 0.02 mg/L	0.02		
011	0.00		
011 DUP	0.00		
001	0.00		
002	0.00		
003	0.00		
DUP 003	0.00		

Meter ID: BH Meter Residual Chlorine Standard: A 9074
 Iodine Reagent: _____ Acid Reagent: _____

Sample ID	Residual Chlorine	Analyst	Date/Time of Analysis
Cal Std 1	0.02 mg/L	BAO	8/28/19 0800
Cal Std 2	0.05 mg/L		
Cal Std 3	0.1 mg/L		
Slope Blank	0.00		
LCS 0.02 mg/L	0.10		
011	0.00		
011 DUP	0.00		
001	0.00		
002	0.00		
003	0.00		
DUP 001	0.00		

Meter ID: BH Meter Residual Chlorine Standard: A 9074
 Iodine Reagent: _____ Acid Reagent: _____

Sample ID	Residual Chlorine	Analyst	Date/Time of Analysis
Cal Std 1	0.02 mg/L	BAO	8/29/19 0800
Cal Std 2	0.05 mg/L		
Cal Std 3	0.1 mg/L		
Slope Blank	0.00		
LCS 0.02 mg/L	0.07		
011	0.00		
011 DUP	0.00		
001	0.00		
002	0.00		
003	0.00		
DUP 002	0.00		

307259

Daily work authorization form for all visiting workers

For each job, and before starting work at the job site, a contractor representative must meet face to face with the ArcelorMittal representative responsible for the work and discuss the work to be performed and any specific safety requirements.



ArcelorMittal

Section 1

The named contractor or work crew is cleared to perform the job described herein:
Company name Microbac Cabs
Company contact/phone no Cary Gadzala 769-8378
Location and project/job description Enviro Bldg/ Water Samples
ArcelorMittal representative W. Otto
ArcelorMittal representative department E-1
Date 8/29/19
ArcelorMittal representative phone number 4863
Cell 46
Clinic pickup point 46

Section 2

HIRAC-Lite	Yes	N/A	No
1) Are emergency evacuation areas identified and known?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Is there a current and valid isolation (LOTO) procedure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Will everyone apply a personal safety lock?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Are there adjacent work crews exposed (including ArcelorMittal employees)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Are there potential hazards or high risk job steps?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Do we have the correct tools for the job?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Is additional PPE required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8) Is there a potential for exposure (chemical, radiation, laser, temperature)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) Is someone working on or near energized electrical equipment (motor control rooms, overhead power lines, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other Hazards and Considerations for Discussion

	Yes	N/A	No	Yes	N/A	No	Yes	N/A	No	Yes	N/A	No
19) Pneumatic air tools & lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20) Vehicle / mob equip traffic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21) Gas hazards-CO, CO2, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22) Hot process, metal, temp.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23) Pressurized / steam pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Section 3

Visiting worker name (print) B. Otto
Badge # 164042

Hazard #	Controls	Responsible Person	Hazard #	Controls	Responsible Person
15	Beware of uneven Surfaces	B. Otto	37) Confined space		
17	Proper lifting of poles		38) Energized electrical work		
20	Vehicle movement		39) Excavation / drilling		
			40) Hot work		
			41) Other		

My crew and I are familiar with the safety hazards/considerations for this job. We are prepared to perform the work in a safe "workmanship" like manner. I have reviewed these considerations with the ArcelorMittal representative named below.

Contractor or crew leader B. Otto ArcelorMittal representative W. Otto Replacement rep/phone _____

(Ensure form is fully completed prior to signing) Original to contractor, (1) copy to ArcelorMittal representative Controlled by Maintenance Administration Dept. ArcelorMittal Harbor 2016-04-BH-DailyWorkAuthorization