

September 19, 2019

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

Work Order No.: 1911178

Re: Daily

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 15 sample(s) on 9/19/2019 10:15:00AM for the analyses presented in the following report as Work Order 1911178.

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.



Carey Gadzala
Project Manager

WORK ORDER SAMPLE SUMMARY

Date: *Thursday, September 19, 2019*

Client: Arcelor Mittal USA, Inc.
Project: Daily
Lab Order: 19I1178

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
19I1178-01	011-Composite	011	09/18/2019 06:00	9/19/2019 10:15:00AM
19I1178-02	011-Grab	011	09/18/2019 06:00	9/19/2019 10:15:00AM
19I1178-03	001-Composite	001	09/18/2019 06:20	9/19/2019 10:15:00AM
19I1178-04	001-Grab	001	09/18/2019 06:20	9/19/2019 10:15:00AM
19I1178-05	Mixed Liquor-Grab	Mixed Liquor	09/19/2019 06:40	9/19/2019 10:15:00AM
19I1178-06	J-Box-Grab	J-Box	09/19/2019 08:07	9/19/2019 10:15:00AM
19I1178-07	RSB FT Overflow-Grab	RSB FT Overflow	09/19/2019 06:38	9/19/2019 10:15:00AM
19I1178-08	999-Grab	999	09/19/2019 06:38	9/19/2019 10:15:00AM
19I1178-09	002-Grab	002	09/18/2019 07:55	9/19/2019 10:15:00AM
19I1178-10	CM1-Grab	CM1	09/19/2019 00:00	9/19/2019 10:15:00AM
19I1178-11	CM2-Grab	CM2	09/19/2019 00:00	9/19/2019 10:15:00AM
19I1178-12	CM3-Grab	CM3	09/19/2019 00:00	9/19/2019 10:15:00AM
19I1178-13	CM6 Grab	CM6	09/19/2019 00:00	9/19/2019 10:15:00AM
19I1178-14	HM2-Grab	HM2	09/19/2019 00:00	9/19/2019 10:15:00AM
19I1178-15	HM3-Grab	HM3	09/19/2019 00:00	9/19/2019 10:15:00AM

Field Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order:	1911178
Client Project:	Daily		
Client Sample ID:	011-Grab	Work Order/ID:	1911178-02
Sample Description:	011	Sampled:	09/18/2019 06:00
Matrix:	Aqueous	Received:	09/19/2019 10:15

Analyses	Result	Units
FLD_CL_TITR	0.00	mg/L
pH	8.0	pH Units

Client Sample ID:	001-Grab	Work Order/ID:	1911178-04
Sample Description:	001	Sampled:	09/18/2019 06:20
Matrix:	Aqueous	Received:	09/19/2019 10:15

Analyses	Result	Units
FLD_CL_TITR	0.00	mg/L
pH	7.9	pH Units

Client Sample ID:	J-Box-Grab	Work Order/ID:	1911178-06
Sample Description:	J-Box	Sampled:	09/19/2019 08:07
Matrix:	Aqueous	Received:	09/19/2019 10:15

Analyses	Result	Units
pH	8.8	pH Units

Client Sample ID:	RSB FT Overflow-Grab	Work Order/ID:	1911178-07
Sample Description:	RSB FT Overflow	Sampled:	09/19/2019 06:38
Matrix:	Aqueous	Received:	09/19/2019 10:15

Analyses	Result	Units
pH	9.0	pH Units

Client Sample ID:	999-Grab	Work Order/ID:	1911178-08
Sample Description:	999	Sampled:	09/19/2019 06:38
Matrix:	Aqueous	Received:	09/19/2019 10:15

Analyses	Result	Units
pH	7.8	pH Units

Client Sample ID:	002-Grab	Work Order/ID:	1911178-09
Sample Description:	002	Sampled:	09/18/2019 07:55
Matrix:	Aqueous	Received:	09/19/2019 10:15

Analyses	Result	Units
pH	8.0	pH Units

CASE NARRATIVE**Date:** *Thursday, September 19, 2019*

Client: Arcelor Mittal USA, Inc.
Project: Daily
Lab Order: 1911178

The Duplicate analysis performed on the following sample failed to meet the precision criteria for total suspended solids.

<u>Laboratory ID</u>	<u>Sample Name</u>
1911178-06	J-Box-Grab

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-01
Client Project:	Daily	Sampled:	09/18/2019 6:00
Client Sample ID:	011-Composite	Received:	09/19/2019 10:15
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: 09/19/2019 11:31										
Total Recoverable Metals by ICP										
Lead	ejj	A	ND	0.0033	0.0075	U	mg/L	1	09/19/2019 14:06	
Zinc	ejj	A	ND	0.0073	0.020	U	mg/L	1	09/19/2019 14:06	
			Method: SM 4500-CN C/E-1999				Analyst: ABG			
Prep Date/Time: 09/19/2019 11:03										
Total Cyanide										
Cyanide, Total	ejj	A	0.0046	0.0020	0.0050		mg/L	1	09/19/2019 14:30	
			Method: SW-846 9014				Analyst: ABG			
Prep Date/Time: 09/19/2019 12:39										
Free Cyanide										
Free Cyanide		A	ND		0.0062		mg/L	1	09/19/2019 14:06	
			Method: EPA 350.1 Rev 2.0				Analyst: ABG			
Prep Date/Time: 09/19/2019 11:59										
Nitrogen, Ammonia as N										
Nitrogen, Ammonia (As N)	ei	A	0.23	0.054	0.10		mg/L	1	09/19/2019 15:15	
			Method: EPA 420.4 Rev 1.0				Analyst: ABG			
Prep Date/Time: 09/19/2019 11:58										
Total Phenolics										
Phenolics, Total Recoverable	ejj	A	ND	0.0060	0.010	U	mg/L	1	09/19/2019 14:57	
			Method: SM 2540 D-1997				Analyst: KMT			
Prep Date/Time: 09/19/2019 10:45										
Total Suspended Solids										
Total Suspended Solids	ejj	A	1.3	1.0	1.0		mg/L	1	09/19/2019 12:15	

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-02
Client Project:	Daily	Sampled:	09/18/2019 6:00
Client Sample ID:	011-Grab	Received:	09/19/2019 10:15
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: 09/19/2019 07:16										
Oil & Grease (HEM)	ejj	A	ND	1.4	5.0	U	mg/L	1	09/19/2019 14:42	

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-03
Client Project:	Daily	Sampled:	09/18/2019 6:20
Client Sample ID:	001-Composite	Received:	09/19/2019 10:15
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: 09/19/2019 11:31			
Total Recoverable Metals by ICP										
Copper	ejj	A	ND	0.0013	0.010		mg/L	1	09/19/2019 14:11	
Lead	ejj	A	ND	0.0033	0.0075	U	mg/L	1	09/19/2019 14:11	
Zinc	ejj	A	ND	0.0073	0.020		mg/L	1	09/19/2019 14:11	
			Method: SM 4500-CN C/E-1999							
							Analyst: ABG			
							Prep Date/Time: 09/19/2019 11:03			
Total Cyanide										
Cyanide, Total	ejj	A	0.0039	0.0020	0.0050		mg/L	1	09/19/2019 14:35	
			Method: SW-846 9014							
							Analyst: ABG			
							Prep Date/Time: 09/19/2019 12:39			
Free Cyanide										
Free Cyanide		A	ND		0.0062		mg/L	1	09/19/2019 14:08	
			Method: EPA 350.1 Rev 2.0							
							Analyst: ABG			
							Prep Date/Time: 09/19/2019 11:59			
Nitrogen, Ammonia as N										
Nitrogen, Ammonia (As N)	ei	A	0.41	0.054	0.10		mg/L	1	09/19/2019 15:22	
			Method: EPA 420.4 Rev 1.0							
							Analyst: ABG			
							Prep Date/Time: 09/19/2019 11:58			
Total Phenolics										
Phenolics, Total Recoverable	ejj	A	ND	0.0060	0.010	U	mg/L	1	09/19/2019 14:58	
			Method: SM 2540 D-1997							
							Analyst: KMT			
							Prep Date/Time: 09/19/2019 10:45			
Total Suspended Solids										
Total Suspended Solids	ejj	A	3.5	1.0	1.0		mg/L	1	09/19/2019 12:15	

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-04
Client Project:	Daily	Sampled:	09/18/2019 6:20
Client Sample ID:	001-Grab	Received:	09/19/2019 10:15
Sample Description:	001		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed	
			Method: EPA 1664B				Analyst: KMT			
Prep Date/Time: 09/19/2019 07:16										
Oil & Grease (HEM) by SPE										
Oil & Grease (HEM)	ejj	A	ND	1.4	5.0	U	mg/L	1	09/19/2019 14:42	

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-05
Client Project:	Daily	Sampled:	09/19/2019 6:40
Client Sample ID:	Mixed Liquor-Grab	Received:	09/19/2019 10:15
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: 09/19/2019 10:39	
Settleable Solids											
Settleable Solids	i	A	140	1.0	1.0		ml/L	1	09/19/2019 10:39		
			Method: SM 2540 D-1997				Analyst: KMT				
Total Suspended Solids											
Total Suspended Solids	ejj	A	1500	1.0	1.0		mg/L	1	09/19/2019 12:15		

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-06
Client Project:	Daily	Sampled:	09/19/2019 8:07
Client Sample ID:	J-Box-Grab	Received:	09/19/2019 10:15
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: 09/19/2019 10:45										
Total Suspended Solids	ejj	A	13	1.0	1.0		mg/L	1	09/19/2019 12:15	

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-10
Client Project:	Daily	Sampled:	09/19/2019 0:00
Client Sample ID:	CM1-Grab	Received:	09/19/2019 10:15
Sample Description:	CM1		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed		
			Method: SM 2540 D-1997				Analyst: KMT				
										Prep Date/Time: 09/19/2019 10:45	
Total Suspended Solids											
Total Suspended Solids	ejj	A	11	1.0	1.0		mg/L	1	09/19/2019 12:15		

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	191178-11
Client Project:	Daily	Sampled:	09/19/2019 0:00
Client Sample ID:	CM2-Grab	Received:	09/19/2019 10:15
Sample Description:	CM2		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed		
			Method: SM 2540 D-1997				Analyst: KMT				
										Prep Date/Time: 09/19/2019 10:45	
Total Suspended Solids											
Total Suspended Solids	ejj	A	14	1.0	1.0		mg/L	1	09/19/2019 12:15		

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-12
Client Project:	Daily	Sampled:	09/19/2019 0:00
Client Sample ID:	CM3-Grab	Received:	09/19/2019 10:15
Sample Description:	CM3		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed	
			Method: SM 2540 D-1997				Analyst: KMT			
			Prep Date/Time: 09/19/2019 10:45							
Total Suspended Solids										
Total Suspended Solids	ejj	A	13	1.0	1.0		mg/L	1	09/19/2019 12:15	

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-13
Client Project:	Daily	Sampled:	09/19/2019 0:00
Client Sample ID:	CM6 Grab	Received:	09/19/2019 10:15
Sample Description:	CM6		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed	
			Method: SM 2540 D-1997				Analyst: KMT			
			Prep Date/Time: 09/19/2019 10:45							
Total Suspended Solids										
Total Suspended Solids	ejj	A	12	1.0	1.0		mg/L	1	09/19/2019 12:15	

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-14
Client Project:	Daily	Sampled:	09/19/2019 0:00
Client Sample ID:	HM2-Grab	Received:	09/19/2019 10:15
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: 09/19/2019 10:45	
Total Suspended Solids											
Total Suspended Solids	ejj	A	14	1.0	1.0		mg/L	1	09/19/2019 12:15		

Analytical Results

Date: *Thursday, September 19, 2019*

Client:	Arcelor Mittal USA, Inc.	Work Order/ID:	19I1178-15
Client Project:	Daily	Sampled:	09/19/2019 0:00
Client Sample ID:	HM3-Grab	Received:	09/19/2019 10:15
Sample Description:	HM3		
Matrix:	Aqueous		

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed		
			Method: SM 2540 D-1997				Analyst: KMT				
										Prep Date/Time: 09/19/2019 10:45	
Total Suspended Solids											
Total Suspended Solids	ejj	A	11	1.0	1.0		mg/L	1	09/19/2019 12:15		

ANALYTE TYPES: (AT)

A, B = Target Analyte

I = Internal Standard

M = Summation Analyte

S = Surrogate

T = Tentatively Identified Compound (TIC, concentration estimated)

**Partial**
9/19/2019

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



Partial
9/19/2019

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.

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

Chain of Custody

ArcelorMittal Burns Harbor/Microbac Labs

Thursday

Lab Work No: 19I1178

* Date Obtained: 9-19-19

** Sample Date: 9-18-19

Location	Time	Sampler	Type	Preserved	Cooled	Containers			Parameters	Comments
						Type	Qty	Vol. (ml)		
011 **	06:00	C.D.	Comp	No	Yes	Glass	1	4000		01
			Grab	No	No	Plastic	1	500	pH	02
001 **	06:20		Comp	No	Yes	Glass	1	4000		03
			Grab	No	No	Plastic	1	125	pH	04
Mixed Liquor *	06:40		Grab	No	No	Plastic	1	2000	TSS, Settling	05
DIW-131 *	NA		Grab	No	No	Plastic	1	125	pH	X
J-Box *	08:07		Grab	No	No	Plastic	1	1000	TSS, pH	06
RSB FT Overflow *	06:38		Grab	No	No	Plastic	1	125	pH	07
999 *	06:38		Grab	No	No	Plastic	1	500	pH	08
002 **	07:55		Grab	No	No	Plastic	1	125	pH	09
SWTP *	NA	***	Grab	No	No	Plastic	76	1000	TSS	10-15

*** WPL is for previous sample date

**** Sample collected by Water Process personnel

No HMI

2.2
- 0.3

1.9 C.I.

Relinquished by: C. Dulon
Received by: M. Ott

Date: 9-19-19
Date: 9/19/19

Time: 08:25
Time: 0825

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

19I1178 Carey Gadzala
ArcelorMittal - Burns Harbor, IN
Daily
09/19/2019



Microbac Laboratories, Inc. - Chicagoland Division

**Total Residual Chlorine - Amperometric Titration - SM Method 4500-CIE - 2000
for Arcelor Mittal - Burns Harbor**

Date/Time: 9/18/19 0800 Exp. Date: 6/30/20
 Analyst: BAO KI Solution: 146367 STD ID / Lot #
 pH Paper Lot #: HJ626 Acetate buffer: 147996 Exp. Date: 7/29/20
 LCS ID: A9074 PAO Titrant: 145348 Exp. Date: 5/31/20

Sample ID	Sample Vol. (mL)	pH (pH Units)	Titrant Start (mL)	Titrant Stop (mL)	Titrant Vol. (mL)	Result (mg/L)
Blank	200	4.0	0.00	0.00	0.00	0.00
LCS		4.0		0.04	0.04	0.04
Outfall 001		4.0		0.00	0.00	0.00
Outfall 002		4.0		0.00	0.00	0.00
Outfall 003		4.0		0.00	0.00	0.00
Outfall 011		4.0		0.00	0.00	0.00
Outfall 011 Dup		4.0		0.00	0.00	0.00
Outfall 001 Dup		4.0		0.00	0.00	0.00

Date/Time: 9/19/19 0805 Exp. Date: 6/30/20
 Analyst: BAO KI Solution: 146367 STD ID / Lot #
 pH Paper Lot #: HJ626 Acetate buffer: 147996 Exp. Date: 7/29/20
 LCS ID: A9074 PAO Titrant: 145348 Exp. Date: 5/31/20

Sample ID	Sample Vol. (ml)	pH (pH Units)	Titrant Start (ml)	Titrant Stop (ml)	Titrant Vol. (ml)	Result (mg/L)
Blank	200	4.0	0.00	0.00	0.00	0.00
LCS		4.0		0.03	0.03	0.03
Outfall 001		4.0		0.00	0.00	0.00
Outfall 002		4.0		0.00	0.00	0.00
Outfall 003		4.0		0.00	0.00	0.00
Outfall 011		4.0		0.00	0.00	0.00
Outfall 011 Dup		4.0		0.00	0.00	0.00
Outfall 001 Dup		4.0		0.00	0.00	0.00

Chlorine, mg/L = (Titrant Vol., mL) (200 mL) / (Sample Vol., mL)

revision: a_01_2016

307343
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

The named contractor or work crew is cleared to perform the job described herein:

Section 1
 Company name Microbac Labs
 Company contact/phone no Cary Galzala 769-8378
 Location and project/job description Enviro Bldg/water samples
 ArcelorMittal representative W. Burns
 ArcelorMittal representative department Env
 ArcelorMittal representative phone number 4863
 Date 9/19/19
 Cell 46
 Clinic pickup point 46

HIRAC-Lite	Yes	N/A	No	Yes	N/A	No
1) Are emergency evacuation areas identified and known?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Will everyone apply a personal safety lock?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10) Could someone be caught in or between anything?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11) Could someone get hurt as a result of a fall from height?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12) Can something fall and/or strike me or someone else?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13) Is everyone properly trained for this job?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14) Are flags and derris in place if needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15) Can we slip or trip on anything (including travel to and from the job)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16) Have all affected people been notified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17) Can we strain or overexert ourselves?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18) Has equipment been inspected prior to use? (tools, PPE, mobile equipment, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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
19) Pneumatic air tools & lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24) Housekeeping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	29) Scaffold work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20) Vehicle / mob equip traffic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25) Production hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	30) Explosives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21) Gas hazards-CO, CO2, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26) Material handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31) Barricades	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22) Hot process, metal, temp.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27) Crane and rigging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	32) Radiation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23) Pressurized / steam pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28) Overhead work	<input checked="" type="checkbox"/>	<input type="checkbox"/>	33) Asbestos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							34) Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							35) Lasers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
							36) Sewers	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Section 3				
Visiting worker name (print)	Badge #	Hazard #	Controls	Responsible Person
<u>A. Otto</u>	<u>164042</u>			<u>B. Otto</u>

Hierarchy of Controls					
	1. Elimination	2. Substitution	3. Engineering	4. Administrative	5. PPE
15) Repair at unclean surface	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17) Power lifting at heights	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20) Vehicle awareness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>