Work Order No.: 19H0231



August 28, 2019

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

Re: Daily

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 15 sample(s) on 8/6/2019 10:11:00AM for the analyses presented in the following report as Work Order 19H0231.

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.

Carry Hadzala

Carey Gadzala Project Manager



Revised 8/28/2019

Wednesday, August 28, 2019

Date:

WORK ORDER SAMPLE SUMMARY

Client: Arcelor Mittal USA, Inc.

Project: Daily Lab Order: 19H0231

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
19H0231-01	011-Composite	011	08/05/2019 06:00	8/6/2019 10:11:00AM
19H0231-02	011-Grab	011	08/05/2019 06:00	8/6/2019 10:11:00AM
19H0231-03	001-Composite	001	08/05/2019 06:20	8/6/2019 10:11:00AM
19H0231-04	001-Grab	001	08/05/2019 06:20	8/6/2019 10:11:00AM
19H0231-05	Mixed Liquor-Grab	Mixed Liquor	08/06/2019 06:34	8/6/2019 10:11:00AM
19H0231-06	J-Box-Grab	J-Box	08/06/2019 06:31	8/6/2019 10:11:00AM
19H0231-07	RSB FT Overflow-Grab	RSB FT Overflow	08/06/2019 07:20	8/6/2019 10:11:00AM
19H0231-08	999-Grab	999	08/06/2019 07:48	8/6/2019 10:11:00AM
19H0231-09	002-Grab	002	08/05/2019 08:01	8/6/2019 10:11:00AM
19H0231-10	CM1-Grab	CM1	08/06/2019 00:00	8/6/2019 10:11:00AM
19H0231-11	CM2-Grab	CM2	08/06/2019 00:00	8/6/2019 10:11:00AM
19H0231-12	CM6-Grab	CM6	08/06/2019 00:00	8/6/2019 10:11:00AM
19H0231-13	HM1-Grab	HM1	08/06/2019 00:00	8/6/2019 10:11:00AM
19H0231-14	HM2-Grab	HM2	08/06/2019 00:00	8/6/2019 10:11:00AM
19H0231-15	HM3-Grab	HM3	08/06/2019 00:00	8/6/2019 10:11:00AM



Revised 8/28/2019

Wednesday, August 28, 2019 Date: Field Results Arcelor Mittal USA, Inc. Client: Work Order: 19H0231 **Client Project:** Daily **Client Sample ID:** 011-Grab Work Order/ID: 19H0231-02 08/05/2019 06:00 Sample Description: 011 Sampled: Matrix: Aqueous Received: 08/06/2019 10:11 **Analyses** Result Units 8.0 pH Units pН 001-Grab 19H0231-04 **Client Sample ID:** Work Order/ID: 08/05/2019 06:20 Sample Description: 001 Sampled: 08/06/2019 10:11 Received: Matrix: Aqueous **Analyses** Result Units 7.9 pH Units рΗ J-Box-Grab 19H0231-06 **Client Sample ID:** Work Order/ID: Sample Description: J-Box Sampled: 08/06/2019 06:31 08/06/2019 10:11 Matrix: Aqueous Received: Result Units **Analyses** 8.4 pH Units pН Client Sample ID: RSB FT Overflow-Grab Work Order/ID: 19H0231-07 Sample Description: RSB FT Overflow Sampled: 08/06/2019 07:20 Received: Matrix: Aqueous 08/06/2019 10:11 **Analyses** Result Units 9.0 pH Units pН **Client Sample ID:** 999-Grab Work Order/ID: 19H0231-08 Sample Description: 999 Sampled: 08/06/2019 07:48 Matrix: Aqueous Received: 08/06/2019 10:11 **Analyses** Result Units pН 8.2 pH Units 002-Grab **Client Sample ID:** Work Order/ID: 19H0231-09 08/05/2019 08:01 Sample Description: 002 Sampled: Matrix: 08/06/2019 10:11 Aqueous Received: **Analyses** Result Units 8.4 рΗ pH Units



CASE NARRATIVE Date: Wednesday, August 28, 2019

Client: Arcelor Mittal USA, Inc.

Project: Daily Lab Order: 19H0231

This report was revised on 08/28/2019 to report the average of the 3 results for ammonia in the samples listed

below.

Laboratory IDSample Name19H0231-01011-Composite19H0231-03001-Composite

This correction affects the final results initially reported on 08/12/2019.



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 011-Composite
 Work Order/ID:
 19H0231-01

 Sample Description:
 011
 Sampled:
 08/05/2019
 6:00

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: EPA 3	50.1 Rev 2.0			Ana	lyst: ABG
Nitrogen, Ammonia as N		F	Prep Method: EPA 3	50.1 Rev 2.0			Prep Date/Ti	me:08/27/2019 12:05
Nitrogen, Ammonia (As N)	di	Α	0.93	0.1	0 r	ng/L	1	08/27/2019 14:36



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 001-Composite
 Work Order/ID:
 19H0231-03

 Sample Description:
 001
 Sampled:
 08/05/2019
 6:20

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: EPA 350.	1 Rev 2.0			Analy	st:ABG
Nitrogen, Ammonia as N		F	Prep Method: EPA 350	.1 Rev 2.0			Prep Date/Tin	ne: 08/27/2019 12:05
Nitrogen, Ammonia (As N)	di	Α	0.92	0.1	10 m	ng/L	1	08/27/2019 14:43



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 Mixed Liquor-Grab
 Work Order/ID:
 19H0231-05

 Sample Description:
 Mixed Liquor
 Sampled:
 08/06/2019
 6:34

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM 2540	F-1997			An	alyst: DAT
Settleable Solids		ı	Prep Method: SM 2540	F-1997			Prep Date/	Time: 08/06/2019 10:26
Settleable Solids	i	Α	230		1.0	ml/L	1	08/06/2019 10:26
			Method: SM 2540	D-1997			An	alyst: KMT
Total Suspended Solids		Prep Method: SM 2540 D-1997 Prep Date/Time: 08/06/2019 10:18						
Total Suspended Solids	dij	Α	2400		1.0	mg/L	1	08/06/2019 12:34



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 J-Box-Grab
 Work Order/ID:
 19H0231-06

 Sample Description:
 J-Box
 Sampled:
 08/06/2019
 6:31

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM 2540	D-1997			Analy	/st: KMT
Total Suspended Solids		F	Prep Method: SM 2540	D-1997			Prep Date/Tin	ne: 08/06/2019 10:18
Total Suspended Solids	dij	Α	30		1.0 m	ng/L	1	08/06/2019 12:34



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 CM1-Grab
 Work Order/ID:
 19H0231-10

 Sample Description:
 CM1
 Sampled:
 08/06/2019
 0:00

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM 2540	D-1997			Analy	/st: KMT
Total Suspended Solids		F	Prep Method: SM 2540	D-1997			Prep Date/Tin	ne: 08/06/2019 10:18
Total Suspended Solids	dij	Α	20		1.0 n	ng/L	1	08/06/2019 12:34



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 CM2-Grab
 Work Order/ID:
 19H0231-11

 Sample Description:
 CM2
 Sampled:
 08/06/2019
 0:00

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 I	D-1997			Analy	/st: KMT
Total Suspended Solids		F	Prep Method: SM 2540	D-1997			Prep Date/Tin	ne: 08/06/2019 10:18
Total Suspended Solids	dij	Α	11		1.0 n	ng/L	1	08/06/2019 12:34



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 CM6-Grab
 Work Order/ID:
 19H0231-12

 Sample Description:
 CM6
 Sampled:
 08/06/2019
 0:00

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM	2540 D-1997			Anal	yst: KMT
Total Suspended Solids		P	rep Method: SM	2540 D-1997			Prep Date/Ti	me: 08/06/2019 10:18
Total Suspended Solids	dij	Α	17	1	1 0.	ng/L	1	08/06/2019 12:34



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 HM1-Grab
 Work Order/ID:
 19H0231-13

 Sample Description:
 HM1
 Sampled:
 08/06/2019
 0:00

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM 254	0 D-1997			Ana	alyst: KMT
Total Suspended Solids		F	Prep Method: SM 254	0 D-1997			Prep Date/1	īme:08/06/2019 10:18
Total Suspended Solids	dij	Α	20		1.0 r	mg/L	1	08/06/2019 12:34



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 HM2-Grab
 Work Order/ID:
 19H0231-14

 Sample Description:
 HM2
 Sampled:
 08/06/2019
 0:00

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM 2540 I	D-1997			Analy	/st: KMT
Total Suspended Solids		F	Prep Method: SM 2540	D-1997			Prep Date/Tin	ne: 08/06/2019 10:18
Total Suspended Solids	dij	Α	10		1.0 n	ng/L	1	08/06/2019 12:34



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 HM3-Grab
 Work Order/ID:
 19H0231-15

 Sample Description:
 HM3
 Sampled:
 08/06/2019
 0:00

 Matrix:
 Aqueous
 Received:
 08/06/2019
 10:11

Analyses	Certs	ΑT	Result	RL	Qual	Units	DF	Analyzed
			Method: SM 2540	D-1997			Ana	alyst: KMT
Total Suspended Solids		F	Prep Method: SM 2540	D-1997			Prep Date/T	ime:08/06/2019 10:18
Total Suspended Solids	dij	Α	10		1.0	mg/L	1	08/06/2019 12:34

ANALYTE TYPES: (AT)

A,B = Target Analyte I = Internal Standard

M = Summation Analyte

S = Surrogate

T = Tentatively Identified Compound (TIC, concentration estimated)



Revised 8/28/2019

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

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

QCS = Quality Control Standard **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

Reporting Limit RL:

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.

Revised

Cooler ID: Default Cooler



8/28/2019

Cooler Inspection Checklist		8/28/2019
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	



Chain of Custody

ArcelorMittal Burns Harbor/Microbac Labs

Tuesday

Lab Work No: 1940231

* Date Obtained ** Sample Date:

Location	Time	Sampler	Туре	Preserved	Cooled	Containers			Parameters	Commonto
Location 011 ** 001 ** Mixed Liquor * DIW-131 * J-Box * RSB FT Overflow * 999 * 002 **	11110	Cample	Type	1 reserved	Cooled	Туре	Qty	Vol. (ml)	raiameters	Comments
011 **	06:00	9	Comp	No	Yes	Glass	1	4000		01
011	PE.00	i	Grab	No	No	Plastic	1	500	ρΗ	02
001 **	06:20		Comp	No	Yes	Glass	1	4000		03
			Grab	No	No	Plastic	1	125	рН	04
Mixed Liquor *	06:34		Grab	No	No	Plastic	1	2000	TSS, Settling	05
DIW-131 *	NA		Grab	No	No	Plastic	1	125	рН	\sim
J-Box *	06:31		Grab	No	No	Plastic	1	1000	TSS, pH	06
RSB FT Overflow *	57:20		Grab	No	No	Plastic	1	125	рН	07
999 *	07:48		Grab	No	No	Plastic	1	500	рН	08
002 **	08:01		Grab	No	No	Plastic	1	125	рН	09
SWTP*		****	Grab	No	No	Plastic	76	1000	TSS	10-15

*** WPL is for previous sample date

**** Sample collected by Water Process personnel

NOCMZ

Time: 0850

Env 2x Rev. 8 07/01/16 (TEK)

19H0231 Carey Gadzala ArcelorMittal - Burns Harbor, IN Daily 08/08/2019



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

Sample ID		рН	Analyst	Date/Time of	Analysis
Buffer ID:	4: 185909	7: 188312	10: 187680		
Meter ID:	@16160		PSC	8-5-19	0845
Calibration	4 1 10	7.00	1	j	
ICV	4 101 10	101.1			
Slope		8.24			
Lake 999		7.95			
Location 001		8.45			
Location 002		7.99			
Location 011					
WAL 1		8.94			
WAL 2	And the second s	**************************************			
SWTP J-Box		8.41			
DIW 131	1. Section of the second				
RSB		9.01			
Dup- ocz		8.44			
CCV		7.01	4	1	
					<u>,</u>

Sample ID		На	Analyst	Date/Time of Analysis
Buffer ID: Meter ID:	4: 185909	7: 188312	10: 187680	
Calibration	(A)1(D)1(D)		BAO	8/6/14 0800
ICV	4 / 70 / 10	6.99		
Slope		99.8		
Lake 999		8.26		
Location 001		7.75		
Location 002		8.43		
Location 011		7.95		
WAL 1				
WAL 2		2 08		
SWTP J-Box		8.80		
DIW 131		~ ~ ~ ~ ~ ~ ~		
RSB :		8.86		
Dup- 01(The state of the s	7.96		
CCV	·	7.01	<u> </u>	<u> </u>
			·	

Microbac Laboratories, Inc. - Chicagoland Division

Total Residual Chlorine - Amperometric Titration - SM Method 4500-Cl E - 2000

for Arcelor Mittal - Burns Harbor

Exp. Date	6/30/20	10/11/18	2/11/50	Result	(mg/L)	0.00	0.08	0.01	0.00	00.0			0.01
STD ID / Lot #	146367	129216	8785718	Titrant Vol.	(mL)	00.0	80.0	10.0	0.00	0.00			0.01
	KI Solution:	Acetate buffer:	PAO Titrant:	Titrant Stop	(mL)	0.00	80.0	0.01	00.00	0.00			10.0
		4		Titrant Start	(mL)	0.00							<u> </u>
	1	Exp. Date	02/11		pH (pH Units)	4.0	4.0	4.0	0 %	e 77			4,0
Date/Time: $\mathscr{E}(6/l9)$	BRO	47626	LCS ID: A 9074	Sample Vol.	(mL)	200							ナ
Date/Time:	Analyst	pH Paper Lot #: HJ626	TCSID:	Sample	. ⊡	Blank	SOT	Outfall 001	Outfall 002	Outfall 003	Outfall 011	Outfall 011 Dup	Outfall 00 (Dup

Exp. Date				Result	(mg/L)								
STD ID / Lot #				Titrant Vol.	(ml)					All the state of t			
	KI Solution:	Acetate buffer:	PAO Titrant:	Titrant Stop	(jw)								
				Titrant Start	(ml)			-					
ı		Exp. Date			pH (pH Units)								
				Sample Vol.	(lml)								
Date/Time:	Analyst	pH Paper Lot #:	CCS ID:	Sample		Blank	SOT	Outfall 001	Outfall 002	Outfall 003	Outfall 011	Outfall 011 Dup	

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

revision: a_01_2016

Burns Harbor

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	Ar	Form number	Requisition number 0749877		Billable Job notes equipment/subcontractors/material.	Description	Hours/amt total	Description	Hours/amt total	Description	Hours/amt total		Description	Hours/amt total	Description		Hours/amt total	Description	Date of Lines	Hours/aimt total	the abbreviations.	TEC	MT.		I the undersigned have verified that contractor employees, hours, and date listed on the timesheet are accurate, complete, valid for the date and plant work location listed above.	ation signature Job title	Howard Date	
		Contractor ref #/job #	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A STANDARD CO.	Billable Total equipment,	<u>Q</u>	Sty.	Q	Oty	Q	240		Ω	Oty	<u>c</u>		Qty.	Ω			orm for an explanation of	FF FF	SU	Section 6	I the undersigned have timesheet are accurate	Arcelor Mittal authorization signature	Printed name	
		Contractor	5 - 5		от																on. See reverse side of fo	MW	OE	Section 5	Work authorization permit #		756877	
		name Lab?	PO number	Samples		1EC 1												nis sheet	Previous hours	s to date	ight of each abbreviation	JAN	TIC		No.	teh		J a
	**	Contractor company name		Description of work	First name Cr	Brian 7							107	No.				Total hours this sheet	Previo	Total hours to date	th craft in the box to the r	SINS	M		he timesheet were actual on the date listed above.	Job title	Date S/6/19	eiver Gold - AM Authorizer
or	Contractor timesheet	9 Shift Decy	- Howard	五一の	ngeli being.	0+40										1			<u> </u>	are e	Enter the total hours worked by each craft in the box to the right of each abbreviation. See reverse side of form for an explanation of the abbreviations.		CP		I the undersigned attest that the hours recorded on the timesheet were actually worked by the contractor employee at the plant work location on the date listed above.	ion signature		Canary - Contractor Pink - AM Receiver
Burns Harbor	Contracto	Date 7(1 1/9	ArcelorMittal Representative	Department	Section 2 Badge no. Last name							A			t			Shift truth	אווור אמו ר הוו	Shirt end time	on 3	ABW	BM	Section 4	I the undersigned atternation the contractor emplo	Contractor authorization signature	Printed name	White - Contractor

306897 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. Section 1



ArcelorMittal

			No																	Person	4		100			1		
6	\$ 18 E		N/A											Yes N/A		•				Responsible Persor			10	755				
117		100	Yes				4	i já	1	9	1	W	5	P		work	b0			Res			0		0.00	4	4	
Date 81	Cell	Clinic pickup point 16		hing?	om height?	one else?		THE PERSON OF SERVICE SERVICES	15) Can we slip or trip on anything (including travel to and from the job)?	CHO HI PAR		18) Has equipment been inspected prior to use? (tools, PPE, mobile equipment, etc.)	Permits	W. S.	37) Confined space	38) Energized electrical work	39) Excavation / drilling	40) Hot work	41) Other	S. PPE Controls								AN STREET
	M	Clinic p	04.1.100	veen anyt	of a fall fro	or somed	job?	- ¿pa	ding trav	¿pa	(3) P. 2	to use? (No			þ			ninistrative								
511	486	8	100	n or betw	a result o	trike me	d for this	e if neede	ing (inclu	en notifie	ourselves	ted prior		Yes N/A						3. Engineering 4. Administrative Hazard #								
ArcelorMittal representative department	ArcelorMittal representative phone number_			10) Could someone be caught in or between anything?	11) Could someone get hurt as a result of a fall from height?	12) Can something fall and/or strike me or someone else?	13) Is everyone properly trained for this job?	14) Are flags and derails in place if needed?	p or trip on anyth	16) Have all affected people been notified?	17) Can we strain or overexert ourselves?	ment been inspectc.)		3	33) Asbestos	34) Noise	735) Lasers	36) Sewers										
resentative	resentative) Could son) Could som) Can some) Is everyon) Are flags a) Can we sli) Have all a) Can we sti	18) Has equipme equipme		Yes N/A No						Hierarchy of Controls 1. Elimination 2. Substitution Responsible Person β - O $\mathcal{H}_{\boldsymbol{\mathcal{P}}}$		プラガインろ	S (c3					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ittal rep	ittal rep		No	10	11	12	13	14	15	16	7 17	L		Ϋ́	work 🥌	S	ss (_		ols 1. Elli Re		Š	500					
rcelorM	rcelorM		N/A N	П					П		П				29) Scaffold work	30) Explosives	31) Barricades	Radiation		ny of Cont		000	to	wer /				
A	4		Yes N				•	0		•			2.1	No	S (62.	30) E	31) B	🔰 32) R		Hierard Controls		22	٦,	こので				
	Solfo			,	15		es)?				ن.	ntrol		A	7					3		S >	1.4	2			3	20 TO
2/2	100					74.	mploye				erature)	otor col		Yes N/	0	ols o	0	0	0		100	2/100	200	". cl.				17
8/58-191	Bldg/ Late			5wn?	lure?		4) Are there adjacent work crews exposed (including ArcelorMittal employees)				8) Is there a potential for exposure (chemical, radiation, laser, temperature)?	9) Is someone working on or near energized electrical equipment (motor control rooms, overhead power lines, etc.)?			24) Housekeeping	25) Production hazards	26) Material handling	27) Crane and rigging	28) Overhead work	Hazard #		15 13	17 Pr.	20 Ve				
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company contact/phone no	Location and project/job description_			1) Are emergency evacuation areas identified and known?	2) Is there a current and valid isolation (LOTO) procedure?	3) Will everyone apply a personal safety lock?	sent work cr	5) Are there potential hazards or high risk job steps?	6) Do we have the correct tools for the job?	7) Is additional PPE required?	ntial for expo	9) Is someone working on or near en rooms, overhead power lines, etc.)?	Other Hazards and Considerations for Discussion		19) Pneumatic air tools & lines	20) Vehicle / mob equip traffic	21) Gas hazards-CO, CO2, etc.	22) Hot process, metal, temp.	23) Pressurized / steam pipe	Section 3 Visiting worker name (print)								
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Original to contractor, (1) copy to AreclorMittal representative ArcelorMittal representative 7 (Ensure form is fully completed prior to signing)

ArcelorMittal representative named below. Contractor or crew leader

Controlled by Maintenance Administration Dept. ArceloR砷铝 BulnShaflor Replacement rep/phone

2016-04-BH-DailyWorkAuthorization