

Partial 8/29/2019

August 29, 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.

Carup Macizala

Carey Gadzala Project Manager

Microbac Laboratories, Inc.



Partial 8/29/2019

WORK ORDER SAMPLE SUMMARY

Date:

Thursday, August 29, 2019

Client:Arcelor Mittal USA, Inc.Project:DailyLab 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



Partial 8/29/2019

Field Results		Date: Thurso	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal USA, Inc. Daily	Work Order:	19H1859
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
рН		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
рН		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
рН		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
рН		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
рН		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
pН		8.3	pH Units

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

Analytical Re	sults						Date:	Thurse	day, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	A, Inc.							
Client Sample ID:	011-Composite						Work	Order/ID:	19H1859-01
Sample Description:	011						Sam	pled:	08/28/2019 5:50
Matrix:	Aqueous						Rece	ived:	08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual Units	5 DF	Analyzed
				Method: SI	M 4500-CN	C/E-1999		An	alyst: ABG
Total Cyanide								Prep Date/	Time:08/29/2019 12:12
Cyanide, Total		eij	Α	0.0028	0.0020	0.0050	mg/L	1	08/29/2019 14:26
				Method: S	N-846 9014			An	alyst: ABG
Free Cyanide								Prep Date/	Time:08/29/2019 12:04
Free Cyanide			Α	ND		0.0062	mg/L	1	08/29/2019 14:06
				Method: El	PA 350.1 Re	v 2.0		An	alyst: ABG
Nitrogen, Ammonia as	5 N							Prep Date/	Time:08/29/2019 14:15
Nitrogen, Ammonia (A	s N)	ei	Α	0.37	0.054	0.10	mg/L	1	08/29/2019 15:37
				Method: El	PA 420.4 Re	v 1.0		An	alyst: ABG
Total Phenolics								Prep Date/	Time:08/29/2019 12:55
Phenolics, Total Recov	verable	eij	Α	0.0096	0.0060	0.010	mg/L	1	08/29/2019 16:32
				Method: S	W 2540 D-19	997		An	alyst: KMT
Total Suspended Solid	ds								Time:08/29/2019 11:13
Total Suspended Solic		eij	Α	2.2	1.0	1.0	mg/L	1	08/29/2019 12:45

Analytical Re	sults						D	ate:	Thurso	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	SA, Inc.								
Client Sample ID: Sample Description:	011-Grab 011							Work Samp	Order/ID:	19H1859-02 08/28/2019 5:50
Matrix:	Aqueous							Receiv		08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method: E	PA 1664B				Ana	alyst: KMT
Oil & Grease (HEM) by	y SPE								Prep Date/1	ïme:08/29/2019 07:40
Oil & Grease (HEM)		eij	A	ND	1.4	5.0	Um	ng/L	1	08/29/2019 14:30

Analytical Res	sults						Dat	te:	Thurse	day, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	A, Inc.								
Client Sample ID:	001-Composite							Work	Order/ID:	19H1859-03
Sample Description:	001							Samp	led:	08/28/2019 6:11
Matrix:	Aqueous							Receiv	ved:	08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method: SI	4500-CN	C/E-1999			An	alyst: ABG
Total Cyanide									Prep Date/	Time: 08/29/2019 12:12
Cyanide, Total		eij	Α	0.0022	0.0020	0.0050	mg	′L	1	08/29/2019 14:28
				Method: SI	N-846 9014				An	alyst: ABG
Free Cyanide									Prep Date/	Time: 08/29/2019 12:04
Free Cyanide			Α	ND		0.0062	mg	′L	1	08/29/2019 14:28
				Method: El	PA 350.1 Re	ev 2.0			An	alyst: ABG
Nitrogen, Ammonia as	N N								Prep Date/	Time: 08/29/2019 14:15
Nitrogen, Ammonia (A		ei	Α	0.24	0.054	0.10	mg	′L	1	08/29/2019 15:40
				Method: El	PA 420.4 Re	ev 1.0			An	alyst: ABG
Total Phenolics									Prep Date/	Time:08/29/2019 12:55
Phenolics, Total Recov	verable	eij	Α	ND	0.0060	0.010	U mg	′L	1	08/29/2019 16:34
				Method: SI	M 2540 D-19	997			An	alyst: KMT
Total Suspended Solid	ls									Time:08/29/2019 11:13
Total Suspended Solid		eij	Α	1.5	1.0	1.0	mg	′L	1	08/29/2019 12:45

Analytical Re	sults						D	ate:	Thurso	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	SA, Inc.								
Client Sample ID: Sample Description: Matrix:	001-Grab 001 Aqueous							Work Samp Receiv		19H1859-04 08/28/2019 6:11 08/29/2019 10:25
Analyses	•	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method: E	PA 1664B				Ana	alyst: KMT
Oil & Grease (HEM) by	y SPE								Prep Date/1	lime:08/29/2019 07:40
Oil & Grease (HEM)		eij	A	ND	1.4	5.0	U n	ng/L	1	08/29/2019 14:30

Analytical Res	sults					Da	ate:	Thursday, August 29, 2019		
Client: Client Project:	Arcelor Mittal USA Daily	, Inc.								
Client Sample ID:	Mixed Liquor-Grab)						Work	Order/ID:	19H1859-05
Sample Description:	Mixed Liquor							Samp	ed:	08/29/2019 6:29
Matrix:	Aqueous							Receiv	ved:	08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method: S	6M 2540 F-19	97			An	alyst: DAT
Settleable Solids									Prep Date/	Time:08/29/2019 10:58
Settleable Solids		i	Α	240	1.0	1.0	m	I/L	1	08/29/2019 10:58
				Method: S	SM 2540 D-19	97			An	alyst: KMT
Total Suspended Solid	ds								Prep Date/	Time:08/29/2019 11:13
Total Suspended Solic	ls	eij	Α	2300	1.0	1.0	m	g/L	1	08/29/2019 12:45

Analytical Re	sults						0	Date:	Thurso	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	SA, Inc.								
Client Sample ID: Sample Description:	J-Box-Grab J-Box							Work Samp	Order/ID: led:	19H1859-06 08/29/2019 6:25
Matrix:	Aqueous							Receiv		08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method:	SM 2540 D-1	997			Ana	alyst: KMT
Total Suspended Soli	ds								Prep Date/	Time:08/29/2019 11:13
Total Suspended Solid	ls	eij	Α	10	1.0	1.0	r	ng/L	1	08/29/2019 12:45

Analytical Re	sults						D)ate:	Thurso	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	SA, Inc.								
Client Sample ID: Sample Description:	CM1-Grab CM1							Work Samp	Order/ID: led:	19H1859-10 08/29/2019 0:00
Matrix:	Aqueous							Receiv		08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method:	SM 2540 D-1	997			Ana	alyst: KMT
Total Suspended Soli	ds								Prep Date/1	Time:08/29/2019 11:13
Total Suspended Solid	ls	eij	Α	11	1.0	1.0	r	ng/L	1	08/29/2019 12:45

Analytical Re	sults						D	ate:	Thursd	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	SA, Inc.								
Client Sample ID:	CM2-Grab							Work	Order/ID:	19H1859-11
Sample Description:	CM2							Samp	ed:	08/29/2019 0:00
Matrix:	Aqueous							Receiv	/ed:	08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method:	SM 2540 D-1	997			Ana	alyst: KMT
Total Suspended Solid	ds								Prep Date/T	ïme:08/29/2019 11:13
Total Suspended Solid	ls	eij	Α	10	1.0	1.0	n	ng/L	1	08/29/2019 12:45

Analytical Re	sults						0	Date:	Thurso	day, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	SA, Inc.								
Client Sample ID: Sample Description: Matrix:	CM6 Grab CM6 Aqueous							Work Samp Receiv		19H1859-12 08/29/2019 0:00 08/29/2019 10:25
Analyses	•	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method:	SM 2540 D-1	997			Ana	alyst: KMT
Total Suspended Soli	ds								Prep Date/	Time:08/29/2019 11:13
Total Suspended Solid	ls	eij	A	20	1.0	1.0	r	ng/L	1	08/29/2019 12:45

Analytical Re	sults						0	Date:	Thurso	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal US	SA, Inc.								
Client Sample ID: Sample Description:	HM2-Grab HM2							Work Samp	Order/ID: led:	19H1859-13 08/29/2019 0:00
Matrix:	Aqueous							Receiv		08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method:	SM 2540 D-1	997			Ana	alyst: KMT
Total Suspended Soli	ds								Prep Date/	Time:08/29/2019 11:13
Total Suspended Solid	ls	eij	Α	14	1.0	1.0	r	ng/L	1	08/29/2019 12:45

Analytical Re	sults						0	Date:	Thurso	lay, August 29, 2019
Client: Client Project:	Arcelor Mittal US Daily	SA, Inc.								
Client Sample ID: Sample Description:	HM3-Grab HM3							Work Samp	Order/ID: led:	19H1859-14 08/29/2019 0:00
Matrix:	Aqueous							Recei	ved:	08/29/2019 10:25
Analyses		Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Method:	SM 2540 D-1	997			Ana	alyst: KMT
Total Suspended Soli	ds								Prep Date/	Time:08/29/2019 11:13
Total Suspended Solid	ls	eij	Α	10	1.0	1.0	r	ng/L	1	08/29/2019 12:45

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.

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Cooler ID: Default Cooler

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





Chain of Custody

ArcelorMittal Burns Harbor/Microbac Labs

Thursday

Lab Work No: 1941859

* Date Obtained <u>8-29-/9</u> ** Sample Date: **8-28-/9**

Location	Time	Sampler	Туре	Preserved	Cooled	Containers		:	Davaarata	
			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Troocived	oooleu	Туре	Qty	Vol. (ml)	Parameters	Comments
011 **	bc:co	10	Comp	No	Yes	Glass	1	4000		01
	V.J. W		Grab	No	No	Plastic	1	500	pН	92
001 **	06:11		Comp	No	Yes	Glass	1	4000		03
	<u> </u>		Grab	No	No	Plastic	1	125	pH	04
Mixed Liquor *	De: 29		Grab	No	No	Plastic	1	2000	TSS, Settling	05
DIW-131 *			Grab	No	No	Plastic	1	125	Ha	\pm
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	Hq	
002 **	07:26		Grab	No	No	Plastic	1	125	pH	
SWTP *	NA	***	Grab	No	No	Plastic	75	1000	TSS	10-14

*** WPL is for previous sample date

**** Sample collected by Water Process personnel

No CM 3+HMI

3.5

Relinquished by: · aft Received by:

Date: 8 C Date: 29 ą

Time 27 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**

	, k	oratories - Chic oH - METHOD 90 Mittal /Burns Ha	045D	on	- 18 of 21
Sample ID		рН	Analyst	Date/Time of Analysis	Page
Buffer ID: Meter ID:	^{4:} 185909	7: 188312	10: 187680		
Calibration	(a) (7) (b)		BAO	8/29/18 0000	
ICV	4/17/10	7.00	1	8/29/19 0800	1
Slope		100.3			
Lake 999		8.10			
Location 001		7,73			
Location 002		8:32		· · · · · · · · · · · · · · · · · · ·	
Location 011		7.70			
WAL 1	·····	1.10	· · · · · · · · · · · · · · · · · · ·		1
WAL 2					
SWTP J-Box		8.59			ĺ
DIW 131		0.71.	+		
RSB		9.07			
Dup- 00 2_		9.03			
ccv		8.33			
		7.01	<u> </u>		
······································					
		·			

Sample ID		pH	Analyst	Doto/Time of A
Buffer ID:	4:	7:	10:	Date/Time of Analysis
Meter ID:			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				

50 of 50

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

Meter ID: 10-	t meter Resid	ual Chlorine Standard: A-90	74
Iodine Reagent:	Acid F	Reagent:	
Sample ID	Residual Chlorine	Anelyst	Date/Time of Analysis
Gal Std 1	0.02 mg/L	BAO	8/27/19 0800
Cal-Std 2	<u>0.05 mg</u> /L	(
Gal-Std-3	0.1 mg/L		· · · · · · · · · · · · · · · · · · ·
-Stope 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 Residu	al Chlorine Standard: <u>A</u> 90	7 4
Iodine Reagent:	Acid R	eagent:	
Sample (D)	Residual Chlorine	Analyst	Date/Time of Analysis
Cal Std 1	0.02 mg/L	BAO	8/28/19 0800
	0.05 mg4	(
Cal Std 3			
Stope 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	Ψ	

Meter ID: Br	Meter Residu	al Chlorine Standard: A 90	74
lodine Reagent:		eagent:	
Sample ID	Residual Chlorine	Analyst	Date/Time of Analysis
Gal-Std-1		BAO	8/21/19 0800
Cal Std 2	-0.05 mg/L		
,-Cat Std 3	0.1 mg/L		
Slope Blan	C 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 OOZ	0.00	V	V

1

Page 19 of 21

4	ArcelorMittal	296648		Percent job complete	Job notes										ls this iob caoital work?	Yes No K	4			es, hours, and date listed on the	Job title	Date Z/2 29620 of 21
		Form number	Requisition number 0 7 9 9 8 9 7		Billable equipment/subcontractors/material	Description	Hours/amt total	Description	Hours/amt total	Description	Hours/amt total	Description		Hours/amt total	Description	Hours/amt total	tion of the abbreviations.	TET (TM	Section 6 I the undersigned have verified that contractor employees, hours, and date listed on the	Arcelor Mittal authorization signature	ci Haven
		Contractor ref #/job #		52	DT Total	1	Gth		40		Gty					C Cty	See reverse side of form for an explanat	LTR PF		Section 5 Section 6 Vork authorization		307259 Printed name
		Contractor company name Cx 65 Mrcrobac Cx 65	PO number	Description of work Sample	First name Craft ST OT	Brian TEC 1			10						Total hours this sheet	Total hours to date	the right of each	GLZ JAN INS I A			retech	Date 8/29/19 Gold - AM Authorizer
Burns Harbor	Contractor timesheet	Date 29/19 Shift Day	ArcelorMittal Representative fi	Department E-0	Section 2 Badge no. Last name	. 0tto	1. Cash 1 mail 10 mail								Shift start time	Shift end time	on 3	ABW CL EL BI CO EN	CP	Section 4 I the undersigned attest that the hours recorded on the timesheet were actually worked by	Contractor authorization signature	Printed name B. OHA White - Contractor Canary - Contractor Pink - AM Receiver

307259 Dailv work authorization form for all visitin	visiting	g workers	S					
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.	representativ e performed a	e must me	et face to face cific safety rec	with the Arcelor juirements.	Mittal	Ar	ArcelorMittal	8_
Section 1 Company name Mricrobac Cabs		The nam ArcelorN	The named contractor or wor ArcelorMittal representative	r work crewis clea	red to perform the	The named contractor or work crewis cleared to perform the job described herein: ArcelorMittal representative	na la haadah	
BIDE	769-8378 Water Samples		Aittal represent	ArcelorMittal representative above number	E-1) -	Date 8/	23(19	
					2	Clinic pickup point	ist of the first of the	
HIRAC-Lite	Yes	N/A	No	×		STREET IN THE STREET	Yes N/A	No
1) Are emergency evacuation areas identified and known?			🛑 🛛 10) Coule	l someone be caug	10) Could someone be caught in or between anything?	nything?		<u>}</u>
2) Is there a current and valid isolation (LOTO) procedure?		Ĺ	11) Could	I someone get hur	11) Could someone get hurt as a result of a fall from height?	from height?	Ψ []	<u>h</u>
3) Will everyone apply a personal safety lock?		V	🛑 12) Can s	omething fall and/	12) Can something fall and/or strike me or someone else?	ieone else?	Ψ.	
4) Are there adjacent work crews exposed (including ArcelorMittal employees)?	loyees)? 🔵		13) Is eve	13) Is everyone properly trained for this job?	ined for this job?			
5) Are there potential hazards or high risk job steps?			🛃 14) Are f	14) Are flags and derails in place if needed?	place if needed?	A P. R. TOLER & SPACE		
6) Do we have the correct tools for the job?	N		🛑 15) Can v	ve slip or trip on ar	iything (including t	15) Can we slip or trip on anything (including travel to and from the job)?		
7) Is additional PPE required?			ZI 16) Have	16) Have all affected people been notified?	been notified?	114 B 2 1 2 2 1 1		
8) Is there a potential for exposure (chemical, radiation, laser, temperature)?	ure)? 🔵		🚺 17) Can v	17) Can we strain or overexert ourselves?	ert ourselves?	कर्ता का खोलां, हिंदाक - १०		ß
 Is someone working on or near energized electrical equipment (motor control rooms, overhead power lines, etc.)? 	r control		18) Has equipme equipment, etc.)	quipment been ins nt. etc.)	pected prior to use	18) Has equipment been inspected prior to use? (tools, PPE, mobile equipment. etc.)		
Other Hazards and Considerations for Discussion	a state of		-			Permits	-	
Yes N/A No	Yes N/A No		Yes N/A	A No	Yes N/A No		Yes N/A	No
		29) Scaffold work	ork	Asbestos	٥	37) Confined space	. []	Ì
		30) Explosives	es	1 34) Noise		7 38) Energized electrical work	al work 🛑 🚺	
		31) Barricades	es	35) Lasers		 39) Excavation / drilling 	<u>ال</u>	ò
22) Hot process, metal, temp. 🛑 🛄 📲 27) Crane and rigging		32) Radiation	<u> </u>	36) Sewers		40) Hot work		d du
								þ
	T	Hierarchy of Controls		c -	3. Engineering 4. Administrative	S		
Visung worker name (print) Badge # Hazard # Hazard # B. のナナゥ しんせんく	Controls	ols	Responsi B. O	Responsible Person Hazard # B. Otto	# p.	Controls	Responsible Person	rson
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Mv crew and I are familiar with the safety hazards/considerations for this inh We are		nared to ner	form the work	ink cafe Mintma	ichin" liko manan	prenared to perform the work indecate Myorkmanchin" like manage I have sociated these second states and the	بالم بالمزرين محمد إلمحم م أم م	
ned below.				The second second				ນ
S	ArcelorMittal representative 71	esentativé	4ND	\$	Replacemer	Replacement rep/phone		1
(Erisure form is rulity completed prior to signing) Onginal to contractor, (1) copy to AreclorMittal representative) copy to Arecloi	rMittal repres	sentative	Control	led by Maintenanc	Controlled by Maintenance Administration Dept. Arcel 아였钰티 乡냅r府5 Hàrbor	celorance i all reference i i a	i ^r bor
						2016-04-BH-	2016-04-BH-DailyWorkAuthorization	ation