

Work Order No.: 1910210

September 11, 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 14 sample(s) on 9/5/2019 11:15:00AM for the analyses presented in the following report as Work Order 19l0210.

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 Hadgala

Carey Gadzala Project Manager



WORK ORDER SAMPLE SUMMARY

Arcelor Mittal USA, Inc.

Project: Daily Lab Order: 1910210

Client:

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
1910210-01	011-Composite	011	09/04/2019 06:10	9/5/2019 11:15:00AM
1910210-02	011-Grab	011	09/04/2019 06:10	9/5/2019 11:15:00AM
1910210-03	001-Composite	001	09/04/2019 06:25	9/5/2019 11:15:00AM
1910210-04	001-Grab	001	09/04/2019 06:25	9/5/2019 11:15:00AM
1910210-05	Mixed Liquor-Grab	Mixed Liquor	09/05/2019 06:50	9/5/2019 11:15:00AM
1910210-06	J-Box-Grab	J-Box	09/05/2019 06:40	9/5/2019 11:15:00AM
1910210-07	RSB FT Overflow-Grab	RSB FT Overflow	09/05/2019 07:50	9/5/2019 11:15:00AM
1910210-08	999-Grab	999	09/05/2019 08:27	9/5/2019 11:15:00AM
1910210-09	002-Grab	002	09/04/2019 08:10	9/5/2019 11:15:00AM
1910210-10	CM1-Grab	CM1	09/05/2019 00:00	9/5/2019 11:15:00AM
1910210-11	CM2-Grab	CM2	09/05/2019 00:00	9/5/2019 11:15:00AM
1910210-12	CM6 Grab	CM6	09/05/2019 00:00	9/5/2019 11:15:00AM
1910210-13	HM2-Grab	HM2	09/05/2019 00:00	9/5/2019 11:15:00AM
1910210-14	HM3-Grab	HM3	09/05/2019 00:00	9/5/2019 11:15:00AM

Wednesday, September 11, 2019

Date:



Field Results		Date: Wednesday, S	September 11, 2019
Client: Client Project:	Arcelor Mittal USA, Inc. Daily	Work Order:	1910210
Client Sample ID:	011-Grab	Work Order/ID:	1910210-02
Sample Description:	011	Sampled:	09/04/2019 06:10
Matrix:	Aqueous	Received:	09/05/2019 11:15
Analyses		Result	Units
FLD_CL_TITR		0.00	mg/L
рН		7.8	pH Units
Client Sample ID:	001-Grab	Work Order/ID:	1910210-04
Sample Description:	001	Sampled:	09/04/2019 06:25
Matrix:	Aqueous	Received:	09/05/2019 11:15
Analyses		Result	Units
FLD_CL_TITR		0.00	mg/L
рН		7.8	pH Units
Client Sample ID:	J-Box-Grab	Work Order/ID:	1910210-06
Sample Description:	J-Box	Sampled:	09/05/2019 06:40
Matrix:	Aqueous	Received:	09/05/2019 11:15
Analyses		Result	Units
рН		8.6	pH Units
Client Sample ID:	RSB FT Overflow-Grab	Work Order/ID:	1910210-07
Sample Description:	RSB FT Overflow	Sampled:	09/05/2019 07:50
Matrix:	Aqueous	Received:	09/05/2019 11:15
Analyses		Result	Units
рН		8.9	pH Units
Client Sample ID:	999-Grab	Work Order/ID:	1910210-08
Sample Description:	999	Sampled:	09/05/2019 08:27
Matrix:	Aqueous	Received:	09/05/2019 11:15
Analyses	•	Result	Units
pH		7.9	pH Units
	200.0		4010040.00
Client Sample ID:	002-Grab	Work Order/ID:	1910210-09
Sample Description:	002	Sampled:	09/04/2019 08:10
Matrix:	Aqueous	Received:	09/05/2019 11:15
Analyses		Result	Units

рН

pH Units



CASE NARRATIVE Date: Wednesday, September 11, 2019

Client: Arcelor Mittal USA, Inc.

Project: Daily
Lab Order: 1910210

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



Analytical Results

Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 011-Composite
 Work Order/ID:
 19/0210-01

 Sample Description:
 011
 Sampled:
 09/04/2019
 6:10

Date:

Wednesday, September 11, 2019

 Sample Description:
 011
 Sampled:
 09/04/2019
 6:10

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:11

Matrix: Aqueous							Recei	ved:	09/05/2019 11:15
Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method: EF	PA 200.7 Re	v 4.4			An	alyst: RPL
Total Recoverable Metals by ICP								Prep Date/	Time: 09/05/2019 11:56
Lead	eij	Α	ND	0.0033	0.0075	U	mg/L	1	09/05/2019 14:28
Zinc	eij	Α	0.012	0.0073	0.020		mg/L	1	09/05/2019 14:28
			Method: SI	M 4500-CN	C/E-1999			Ana	alyst: ABG
Total Cyanide								Prep Date/	Time: 09/05/2019 12:09
Cyanide, Total	eij	Α	0.0042	0.0020	0.0050		mg/L	1	09/05/2019 14:50
			Method: S\	N-846 9014				Ana	alyst: ABG
Free Cyanide								Prep Date/	Time: 09/05/2019 11:55
Free Cyanide		Α	ND		0.0062		mg/L	1	09/05/2019 14:43
			Method: EF	PA 350.1 Re	v 2.0			Ana	alyst: EF
Nitrogen, Ammonia as N								Prep Date/	Time: 09/05/2019 14:10
Nitrogen, Ammonia (As N)	ei	Α	0.27	0.054	0.10		mg/L	1	09/05/2019 16:39
			Method: EF	PA 420.4 Re	v 1.0			Ana	alyst: ABG
Total Phenolics								Prep Date/	Time: 09/05/2019 12:00
Phenolics, Total Recoverable	eij	Α	ND	0.0060	0.010	U	mg/L	1	09/05/2019 15:09
			Method: SI	/I 2540 D-19	97			Ana	alyst: KMT
Total Suspended Solids								Prep Date/	Time: 09/05/2019 11:26
Total Suspended Solids	eij	Α	1.9	1.0	1.0		mg/L	1	09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 011-Grab
 Work Order/ID:
 1910210-02

 Sample Description:
 011
 Sampled:
 09/04/2019
 6:10

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Ana	lyst: KMT					
Oil & Grease (HEM) by SPE								Prep Date/Ti	me:09/05/2019 07:37
Oil & Grease (HEM)	eij	Α	ND	1.4	5.0	Ur	ng/L	1	09/05/2019 14:37



Analytical Results

Date: Wednesday, September 11, 2019

Client: Arcelor Mittal USA, Inc.

Client Project: Daily

Total Suspended Solids

 Client Sample ID:
 001-Composite
 Work Order/ID:
 19/02/10-03

 Sample Description:
 001
 Sampled:
 09/04/2019
 6:25

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Matrix: Aqueous							Recei	ved:	09/05/2019 11:15	
Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed	
			Method: E	PA 200.7 R	ev 4.4			An	alyst: RPL	
Total Recoverable Metals by ICP								Prep Date/	Time: 09/05/2019 11:56	
Copper	eij	Α	0.0024	0.0013	0.010		mg/L	1	09/05/2019 14:33	
Lead	eij	Α	ND	0.0033	0.0075	U	mg/L	1	09/05/2019 14:33	
Zinc	eij	Α	ND	0.0073	0.020	U	mg/L	1	09/05/2019 14:33	
			Method: E	PA 200.8 R	ev 5.4			An	alyst:BTM	
Total Recoverable Metals by ICP/MS								Prep Date/	Time: 09/08/2019 12:49	
Silver	eij	Α	ND	0.000053	0.00060	U	mg/L	1	09/09/2019 13:48	
			Method: S	M 4500-CN	C/E-1999			An	alyst: ABG	
Total Cyanide								Prep Date/	Time: 09/05/2019 12:09	
Cyanide, Total	eij	Α	0.0030	0.0020	0.0050		mg/L	1	09/05/2019 14:52	
			Method: S	W-846 9014	.			An	alyst: ABG	
Free Cyanide								Prep Date/	Time: 09/05/2019 11:55	
Free Cyanide		Α	ND		0.0062		mg/L	1	09/05/2019 14:48	
			Method: E	PA 350.1 R	ev 2.0			An	alyst: EF	
Nitrogen, Ammonia as N								Prep Date/	Time: 09/05/2019 14:10	
Nitrogen, Ammonia (As N)	ei	Α	0.32	0.054	0.10		mg/L	1	09/05/2019 16:46	
			Method: E	PA 420.4 R	ev 1.0			An	alyst: ABG	
Total Phenolics								Prep Date/	Time: 09/05/2019 12:00	
Phenolics, Total Recoverable	eij	А	ND	0.0060	0.010	U	mg/L	1	09/05/2019 15:11	
			Method: S	M 2540 D-1	997			An	alyst: KMT	
Total Suspended Solids								Prep Date/Time: 09/05/2019 11:26		

1.0

1.0

mg/L

eij

A 1.3

09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 001-Grab
 Work Order/ID:
 1910210-04

 Sample Description:
 001
 Sampled:
 09/04/2019
 6:25

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Ana	lyst: KMT					
Oil & Grease (HEM) by SPE								Prep Date/Ti	me:09/05/2019 07:37
Oil & Grease (HEM)	eij	Α	ND	1.4	5.0	Ur	ng/L	1	09/05/2019 14:37



Analytical Results

Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 Mixed Liquor-Grab
 Work Order/ID:
 1910210-05

 Sample Description:
 Mixed Liquor
 Sampled:
 09/05/2019
 6:50

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Date:

Wednesday, September 11, 2019

Analyses	Certs	AT	Result	MDL	RL	Qual Unit	s DF	Analyzed
			Method:	SM 2540 F-19	Ana	lyst: DAT		
Settleable Solids							Prep Date/T	ime: 09/05/2019 11:45
Settleable Solids	i	Α	200	1.0	1.0	ml/L	1	09/05/2019 11:45
			Method:	SM 2540 D-19	97		Ana	llyst: KMT
Total Suspended Solids							Prep Date/T	ime: 09/05/2019 11:26
Total Suspended Solids	eij	Α	1900	1.0	1.0	mg/L	1	09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 J-Box-Grab
 Work Order/ID:
 1910210-06

 Sample Description:
 J-Box
 Sampled:
 09/05/2019
 6:40

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Anal	yst: KMT					
Total Suspended Solids								Prep Date/Ti	me:09/05/2019 11:26
Total Suspended Solids	eij	Α	12	1.0	1.0	n	ng/L	1	09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 CM1-Grab
 Work Order/ID:
 1910210-10

 Sample Description:
 CM1
 Sampled:
 09/05/2019
 0:00

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
				Analyst: KMT					
Total Suspended Solids									Time:09/05/2019 11:26
Total Suspended Solids	eij	А	13	1.0	1.0	m	g/L	1	09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 CM2-Grab
 Work Order/ID:
 1910210-11

 Sample Description:
 CM2
 Sampled:
 09/05/2019
 0:00

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Anal	yst: KMT					
Total Suspended Solids								Prep Date/Ti	me: 09/05/2019 11:26
Total Suspended Solids	eij	Α	14	1.0	1.0	m	ng/L	1	09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 CM6 Grab
 Work Order/ID:
 1910210-12

 Sample Description:
 CM6
 Sampled:
 09/05/2019
 0:00

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Method:	Anal	lyst: KMT				
Total Suspended Solids								Prep Date/Ti	me:09/05/2019 11:26
Total Suspended Solids	eij	Α :	10	1.0	1.0	m	ng/L	1	09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 HM2-Grab
 Work Order/ID:
 1910210-13

 Sample Description:
 HM2
 Sampled:
 09/05/2019
 0:00

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	AT	Result	MDL	RL	Qual	Units	DF	Analyzed
			Anal	yst: KMT					
Total Suspended Solids								Prep Date/Ti	me:09/05/2019 11:26
Total Suspended Solids	eij	Α :	11	1.0	1.0	m	ng/L	1	09/05/2019 13:35



Client: Arcelor Mittal USA, Inc.

Client Project: Daily

 Client Sample ID:
 HM3-Grab
 Work Order/ID:
 1910210-14

 Sample Description:
 HM3
 Sampled:
 09/05/2019
 0:00

 Matrix:
 Aqueous
 Received:
 09/05/2019
 11:15

Analyses	Certs	Certs AT Result MDL RL Qua				Qual	Units	DF	Analyzed
			Method:		Analyst: KMT				
Total Suspended Solids								Prep Date/	Time: 09/05/2019 11:26
Total Suspended Solids	eij	Α	12	1.0	1.0	mg	g/L	1	09/05/2019 13:35

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

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

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

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: 19 I & 2/0

* Date Obtained

** Sample Date:

9-9-19 80

Location	Time	Sampler	Туре	Preserved	Cooled	Containers :			Parameters	Comment
EGOGROTI	11110		1 300	r icacivad	Ooolea	Туре	Qty	Vol. (ml)	Farameters	Comments
011 **	11.10	al	Comp	No	Yes	Glass	1	4000		01
	14.10	/	Grab	No	No	Plastic	11	500	рН	02
001 **	11.2		Comp	No	Yes	Glass	1	4000		03
	V6.25		Grab	No	No	Plastic	11	125	pН	04
Mixed Liquor *	06:50		Grab	No	No	Plastic	1	2000	TSS, Settling	05
DIW-131 *	NA		Grab	No	No	Plastic	1	125	рН	
J-Box *	06:40		Grab	No	No	Plastic	1	1000	TSS, pH	06
RSB FT Overflow *	07:50		Grab	No	No	Plastic	1	125	На	67
999 *	08:27		Grab	No	No	Plastic	1	500	рН	08
002 **	08:10		Grab	No	No	Plastic	1	125	рН	09
SWTP*		****	Grab	No	No	Plastic	75	1000	TSS	10-14

*** WPL is for previous sample date

No HMI+CM3

-0.3 -4.2 EST

Relinquished by:

Received by:

Date:

Date:

Time 08:05

Time: 080

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

1910210 Carey Gadzaia ArcelorMittal - Burns Harbor, iN Daily 09/05/2019



^{****} Sample collected by Water Process personnel

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

	Arce	Posidual Ch	Jorine Standard	1: <u>A 907</u> 9	1	-	
ID: BA	Meter	Residual of	ent: <u>1479</u>	96	500 San California	an Analysis	
Reagent:	146 76 1	CONTRACTOR OF THE SECOND CONTRACTOR OF THE SEC	Aldelys		9/5/19	0800	
nole ID	Residual Citi	orine .	BAC	2	1/5/17	1	
std 1	0.02 mg						
al Std 2	0.05 mg						
al Std 3	0.1 mg/						
Slope Blank	0.00						
3 0.02 mg/L	0.0	3					
011	0.0			i			
011 DUP	0.00						
001	0.00						
002	0.0				 		
003	0.0	I	¥				
P 003	0.0						
000		Residuí	al Chlorine Stan	dard:			
eter ID:		Acid Re	eagent:		Ti Dalei	rime of Analysi	
dine Reagent	t:	The second secon	An	alvet			
Sample ID:	F/ESIQUE	Chlorine					
Cal Std 1		mg/L					
Cal Std 2		mg/L					
Cal Std 3	0.1	mg/L					
Slope							7.5
LCS 0.02 mg	1/L						
011							
011 DUP							r
001							
002							
003							
DUP							
		Res	sidual Chlorine S	Standard:			
Meter ID:		Acid	d Reagent:		- 10	ate/Mine of Ana	ilysis:
lodine Rea	gent:	250		Analyst			
Sample	The I Resi	dual Chlorine					
Cal Std	11	0.02 mg/L					
Cal Sto	12	0.05 mg/L					
Cal Sto		0.1 mg/L					
Slop							
LCS 0.02							
01							
011							
00							
00			-				
}}	03						

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

	Alceioi			Date/Time of Analysis
		рН	Analyst	Date/Time of / titel/or
Sample ID			10: 191040	
Buffer ID:	4: 185909	188312		9/5/11 0800
Meter ID:	(2)(1)		BAO	1 1 1
Calibration	4/1/10			
CV	4 1 (1)1 10	101.0		
Slope		7.91		+
_ake 999		7.76		
Location 001		8.13		
Location 002		7.77		
Location 011				
WAL 1			, , , , , , , , , , , , , , , , , , , ,	
WAL 2		8.63		
SWTP J-Box				
DIW 131		8-87		
RSB		7.92		
Dup- 999		7.01	<u> </u>	
CCV				
	<u> </u>			

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

Logical Sulphar Page 21 of 23

Contractor timesheet

ArcelorMittal

Section 4 I the undersigned the contractor econtractor authors. Printed name Months of the contractor.	BM	ABW		Shi	Shift												(69092	Section 2 Badge no.	Department	ArcelorMittal R	Date 9/5
mploy prizat	유 8	CL CL		Shift end time	Shift start time			3						50	17		040	Last name	M	ArcelorMittal Representative	()9 Shift
set that the hours recorded on the tipe at the plant work location on the signature	FN	Enter the total nours worked by each craft in the box to the right of each abbreviation. See reverse side of form for an explanation of the abbreviations.								-					44	77.		1	0	buar !	Jac
n the timesheet won on the date liste Job title Date Date Acceiver Gold - A		each craft in the bi			Tot	×								. 31.			Brian	First name	Description of work		Contractor
heet were actually work ate listed above. Ititle Service 9 5/19 Gold - AM Authorizer	INS	GLZ Ight or	Total hours to date	Previous hours	Total hours this sheet	- 4		3 th		1				1			TEC	Craft	tion of work		Contractor company name
5	LIC	JAN JAN	e -	· S	1									X-11			-	ST	Semples	PO number	Labs
Section 5 Work authorization permit #	OE MW	n. See reverse sid																OT DT			Cont
		le of form for an			7												1	Total			Contractor ref #/job #
Section 6 I the undersigned have verified that of timesheet are accurate, complete, value ArcelorMittal authorization signature Printed name Page	SU	PF PF		Qty H	ID D	Qty H	ID D		Otv H	D D	Qty H	ID D		Q t y H	ID D	Qty		Billable equipment/			
verified that cor complete, valid tion signature	TST	TEC		Hours/amt total	Description	Hours/amt total	Description		Hours/amt total	Description	Hours/amt total	Description	1	Hours/amt total	Description	Hours/amt total	Description	Billable equipment/subcontractors/material		Requisition number 0 7998	
for the date and		-																naterial		number 79989	Form number
Job title Date Date 2013-0				Yes Yes														Job notes		7	
Section 6 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. ArcelorMittal authorization signature Printed name Page of Date 2013-08-BH-ContractorTimeSheet			R	WORK?															Percent job complete		309688

Burns Harbor

Contractor timesheet

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Printed name Section 3
ABW
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BM Section 2 Badge no. Contractor authorization signature Section 4 Date Section 1 the contractor employee at the plant work location on the date listed above. I the undersigned attest that the hours recorded on the timesheet were actually worked by Department 64092 ArcelorMittal Representative Shift start time Shift end time Last name 040
 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.

 CL
 EL
 GLZ
 JAN
 LTR
 PF
 TEC

 CO
 EN
 INS
 LA
 MW
 PT
 TST

 CP
 FN
 IW
 LIC
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 TM
 Shift 106 Brion First name Tob title Description of work Contractor company name Total hours this sheet Total hours to date Server Previous hours Craft EC PO number 100 No No 290 TS 6 105 Work authorization permit # Section 5 9 먹 Contractor ref #/job # Total Section 6

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. ArcelorMittal authorization signature Qty ₽ ō ō ō ₽ Billable equipment/subcontractors/material Qty Qty ₽ Qty Qty Qy Hours/amt total Description Hours/amt total Description Description Description Hours/amt total Hours/amt total Description Hours/amt tota Description Hours/amt tota Requisition number Form number Op Job title Yes Is this job capital work? Job notes Percent job complete 309688

White - Contractor

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Gold - AM Authorizer 15/19

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Printed name

Page

2013-08-BH-ContractorTimeSheet

307295 Bally work authorization form for all visiting workers

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

ArcelorMittal

Company contact/phone no Care Section 1 Visiting worker name (print) Company name_ Section 3 23) Pressurized / steam pipe 21) Gas hazards-CO, CO2, etc. Other Hazards and Considerations for Discussion Location and project/job description_ 22) Hot process, metal, temp. 20) Vehicle / mob equip traffic 19) Pneumatic air tools & lines 9) Is someone working on or near energized electrical equipment (motor control 8) Is there a potential for exposure (chemical, radiation, laser, temperature)? 5) Are there potential hazards or high risk job steps? 1) Are emergency evacuation areas identified and known? 6) Do we have the correct tools for the job? 4) Are there adjacent work crews exposed (including ArcelorMittal employees)? 3) Will everyone apply a personal safety lock? 2) Is there a current and valid isolation (LOTO) procedure? HIRAC-Lite rooms, overhead power lines, etc.)? 7) Is additional PPE required? Microbac 64042 Badge # N/A No Enviro 28) Overhead work 27) Crane and rigging 24) Housekeeping 26) Material handling 25) Production hazards Hazard # water Yes N/A No Jamples Controls 32) Radiation 30) Explosives Yes 29) Scaffold work (31) Barricades Hierarchy of Controls ArcelorMittal representative phone number N/A ArcelorMittal representative department_ ArcelorMittal representative Werra The named contractor or work crew is cleared to perform the job described herein No 1. Elimination 2. Substitution 3. Engineering 14) Are flags and derails in place if needed? equipment, etc. 18) Has equipment been inspected prior to use? (tools, PPE, mobile 17) Can we strain or overexert ourselves? 16) Have all affected people been notified? 15) Can we slip or trip on anything (including travel to and from the job)? 13) Is everyone properly trained for this job? 12) Can something fall and/or strike me or someone else? 11) Could someone get hurt as a result of a fall from height? 10) Could someone be caught in or between anything? Responsible Person Yes N/A No oto 36) Sewers 33) Asbestos 35) Lasers Noise Hazard # Yes Administrative N/A No Clinic pickup point 5. PPE 37) Confined space 41) Other 40) Hot work Excavation / drilling 38) Energized electrical work Permits Controls Date_ 5 Yes Responsible Person Yes N/A N/A No No

ArcelorMittal representative named below.

Contractor or crew leader

(Ensure form is fully completed prior to signing) Original to contractor, (1) copy to AreclorMittal representative

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

Replacement rep/phone

Controlled by Maintenance Administration Dept. Arcelor Mittal Burns Harbor

2016-04-BH-DailyWorkAuthorization