



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

SEPTEMBER 11, 2018

Mr. Brian Kolesar
ArcelorMittal Cleveland, LLC
3060 Eggers Avenue
Cleveland, Ohio 44105

**Re: ArcelorMittal Cleveland, Inc
Director's Authorization
Approval
Industrial Solid Waste Landfills
Cuyahoga County
ISWL020091
ISWL018762**

Ohio EPA SEP 11 '18
Entered Directors Journal

**Subject: ArcelorMittal Cleveland, LLC - Vista Pointe Landfill, Cuyahoga County
Ohio Administrative Code (OAC) Rule 3745-30-08(C)(6)(g) Approval**

Dear Mr. Kolesar:

On May 9, 2018, the Ohio Environmental Protection Agency (Ohio EPA), Division of Materials and Waste Management (DMWM), Northeast District Office (NEDO) received a document titled *2018 Background Statistical Database Update Groundwater Detection Monitoring Program* dated May 8, 2018, for ArcelorMittal Cleveland Vista Pointe Landfill (Facility) located in Cuyahoga County. This document was submitted by Burgess & Niple, Inc. (B&N) on behalf of the Facility and requested that statistically different data be allowed to be added to the existing background datasets at the Facility.

Pursuant to Ohio Administrative Code (OAC) Rule 3745-30-08(C)(6)(g), background data can be added only in blocks of data resulting from the analysis of four or more statistically independent samples after the data have been statistically compared to the current background data and no statistical differences are detected, unless another method is deemed acceptable to the director.

The attached table presents the statistically different data for antimony, copper, nickel, vanadium, and zinc from wells MW-101S, MW-107S, MW-113SR, MW-30D, MW-31D, and MW-51SR that ArcelorMittal Cleveland, LLC proposes adding to the existing background datasets for the Vista Pointe Landfill.

Ohio EPA has reviewed the May 8, 2018, document and concurs with the request that the statistically different data be added to the existing background datasets. Ohio EPA's review determined that the owner or operator has provided sufficient evidence to demonstrate that the statistically different data can be added to the existing background datasets and meets the requirements of OAC 3745-30-08(C)(6)(g) in the document. Therefore, Ohio EPA approves ArcelorMittal Cleveland, LLC's request pursuant to OAC 3745-30-08(C)(6)(g) at the Vista Pointe Landfill.

You are hereby notified that this action of the Director of Ohio EPA (Director) is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 made payable to "Treasurer, State of Ohio." The Commission, in its discretion, may reduce the fee if by affidavit it is demonstrated that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
30 East Broad Street, 4th Floor
Columbus, Ohio 43215

If you have any questions concerning this action, please contact Joshua Adams, Ohio EPA, NEDO, DMWM at (330) 963-1103.

Sincerely,



Kurt M. Princic
Chief, Northeast District Office
for Craig W. Butler
Director, Ohio EPA

KMP:PP

ec: Lynn Sowers, Ohio EPA, NEDO, DMWM, Lynn.Sowers@epa.ohio.gov
Josh Adams, Ohio EPA, NEDO, DMWM, Joshua.Adams@epa.ohio.gov
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Dane Tussel, Cuyahoga County Board of Health, dtussel@ccbh.net

Proposed Data To Be Added			
Well	Parameter	Date	Result
MW-101S	Antimony	12/8/2009	<0.0002
		6/16/2010	<0.0005
		12/16/2010	<0.0002
		6/28/2011	<0.001
		12/6/2011	<0.0004
		6/19/2012	<0.0004
		12/4/2012	<0.003
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		12/9/2014	<0.0002
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
		12/7/2016	<0.002
		6/21/2017	<0.002
12/13/2017	<0.002		
MW-107S	Antimony	12/8/2009	<0.0002
		6/16/2010	<0.0005
		12/16/2010	<0.0002
		6/28/2011	<0.001
		12/6/2011	<0.0004
		6/19/2012	<0.0004
		12/4/2012	<0.003
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		12/9/2014	<0.0004
		6/24/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
		12/7/2016	<0.002
		6/21/2017	<0.002
12/13/2017	<0.002		
MW-113SR	Antimony	12/9/2009	<0.0002
		6/17/2010	<0.0005
		12/16/2010	<0.0002
		6/29/2011	<0.001
		12/7/2011	<0.0004
		6/20/2012	<0.0004
		12/5/2012	<0.003

MW-113SR	Antimony	6/19/2013	<0.001
		12/4/2013	<0.001
		6/18/2014	<0.001
		12/10/2014	<0.0002
		6/24/2015	<0.002
		12/17/2015	<0.002
		6/22/2016	<0.002
		12/8/2016	<0.002
		6/21/2017	<0.002
12/14/2017	<0.002		
MW-30D	Antimony	12/8/2009	0.000318
		6/16/2010	<0.0005
		12/16/2010	0.000236
		6/28/2011	<0.001
		12/6/2011	<0.0004
		6/19/2012	<0.0004
		12/4/2012	<0.003
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		12/9/2014	0.00024
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
		12/7/2016	<0.002
6/21/2017	<0.002		
12/13/2017	<0.002		
MW-31D	Antimony	12/8/2009	0.00062
		6/16/2010	0.00078
		12/16/2010	0.000649
		6/28/2011	<0.001
		12/6/2011	0.000432
		6/19/2012	0.000615
		12/4/2012	<0.003
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		4/26/2015	<0.001
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
12/7/2016	<0.002		
6/21/2017	<0.002		

MW-31D	Antimony	12/13/2017	<0.002
MW-51SR	Antimony	12/9/2009	<0.002
		6/17/2010	<0.005
		12/16/2010	<0.0002
		6/29/2011	<0.001
		12/7/2011	<0.0004
		6/20/2012	<0.0004
		12/5/2012	<0.003
		6/19/2013	<0.001
		12/4/2013	<0.001
		6/18/2014	<0.001
		12/10/2014	<0.0002
		6/24/2015	<0.002
		12/17/2015	<0.002
		6/22/2016	<0.002
		12/8/2016	<0.002
		6/22/2017	<0.002
12/14/2017	<0.002		
MW-101S	Copper	12/8/2009	<0.003
		6/16/2010	0.0031
		12/16/2010	<0.003
		6/28/2011	<0.005
		12/6/2011	<0.003
		6/19/2012	<0.003
		12/4/2012	<0.01
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		12/9/2014	0.0015
		6/23/2015	0.0028
		12/16/2015	0.0027
		6/21/2016	0.0033
		12/7/2016	0.0031
6/21/2017	0.0035		
12/13/2017	<0.002		
MW-107S	Copper	12/8/2009	<0.002
		6/16/2010	0.0013
		12/16/2010	<0.002
		6/28/2011	<0.005
		12/6/2011	0.00224
		6/19/2012	<0.002
		12/4/2012	<0.01
		6/18/2013	<0.001

MW-107S	Copper	12/3/2013	0.0012
		6/17/2014	0.001
		12/9/2014	0.0018
		6/24/2015	0.0025
		12/16/2015	0.0026
		6/21/2016	0.0032
		12/7/2016	0.002
		6/21/2017	0.0026
		12/13/2017	0.0023
MW-113SR	Copper	12/9/2009	0.00104
		6/17/2010	0.0016
		12/16/2010	<0.002
		6/29/2011	<0.005
		12/7/2011	<0.002
		6/20/2012	<0.002
		12/5/2012	<0.01
		6/19/2013	<0.001
		12/4/2013	<0.001
		6/18/2014	<0.001
		12/10/2014	0.00094
		6/24/2015	<0.002
		12/17/2015	<0.002
		6/22/2016	<0.002
		12/8/2016	0.0023
6/21/2017	<0.002		
12/14/2017	<0.002		
MW-30D	Copper	12/8/2009	<0.002
		6/16/2010	0.0044
		12/16/2010	<0.002
		6/28/2011	<0.005
		12/6/2011	<0.003
		6/19/2012	<0.002
		12/4/2012	<0.01
		6/18/2013	<0.001
		12/3/2013	0.001
		6/17/2014	<0.001
		12/9/2014	0.0012
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
		12/7/2016	<0.002
6/21/2017	<0.002		

MW-30D	Copper	12/13/2017	<0.002
MW-31D	Copper	12/8/2009	<0.002
		6/16/2010	<0.0005
		12/16/2010	<0.002
		6/28/2011	0.00785
		12/6/2011	<0.002
		6/19/2012	<0.002
		12/4/2012	<0.01
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		4/26/2015	0.0018
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
		12/7/2016	<0.002
		6/21/2017	<0.002
		12/13/2017	<0.002
MW-51SR	Copper	12/9/2009	<0.004
		6/17/2010	<0.0027
		12/16/2010	0.00176
		6/29/2011	<0.005
		12/7/2011	<0.002
		6/20/2012	<0.003
		12/5/2012	<0.01
		6/19/2013	<0.001
		12/4/2013	<0.001
		6/18/2014	<0.001
		12/10/2014	0.00079
		6/24/2015	<0.002
		12/17/2015	<0.002
		6/22/2016	<0.002
		12/8/2016	<0.002
6/22/2017	<0.002		
12/14/2017	<0.002		
MW-101S	Nickel	12/8/2009	<0.016
		6/16/2010	0.0066
		12/16/2010	<0.012
		6/28/2011	<0.0175
		12/6/2011	<0.01
		6/19/2012	<0.011
		12/4/2012	0.015
		6/18/2013	<0.001

MW-101S	Nickel	12/3/2013	0.0012
		6/17/2014	0.0016
		12/9/2014	0.002
		6/23/2015	0.0028
		12/16/2015	0.0042
		6/21/2016	0.0029
		12/7/2016	0.0027
		6/21/2017	0.0099
		12/13/2017	0.0046
MW-107S	Nickel	12/8/2009	<0.008
		6/16/2010	0.0034
		12/16/2010	<0.006
		6/28/2011	<0.0075
		12/6/2011	<0.005
		6/19/2012	<0.007
		12/4/2012	<0.015
		6/18/2013	<0.001
		12/3/2013	0.0012
		6/17/2014	<0.001
		12/9/2014	0.0023
		6/24/2015	0.0026
		12/16/2015	0.0035
		6/21/2016	0.0024
		12/7/2016	0.0018
6/21/2017	0.0042		
12/13/2017	0.0027		
MW-113SR	Nickel	12/9/2009	<0.009
		6/17/2010	0.0012
		12/16/2010	<0.007
		6/29/2011	<0.01
		12/7/2011	<0.007
		6/20/2012	<0.007
		12/5/2012	<0.015
		6/19/2013	<0.001
		12/4/2013	<0.001
		6/18/2014	<0.001
		12/10/2014	0.0015
		6/24/2015	0.0016
		12/17/2015	0.0026
		6/22/2016	0.0017
		12/8/2016	0.0013
6/21/2017	0.0064		
12/14/2017	0.0027		

MW-30D	Nickel	12/8/2009	<0.006
		6/16/2010	0.0012
		12/16/2010	<0.005
		6/28/2011	<0.0075
		12/6/2011	<0.006
		6/19/2012	<0.005
		12/4/2012	<0.015
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	0.0015
		12/9/2014	0.0016
		6/23/2015	0.0017
		12/16/2015	0.0017
		6/21/2016	0.0012
		12/7/2016	0.0015
6/21/2017	0.0021		
12/13/2017	0.0019		
MW-31D	Nickel	12/8/2009	<0.009
		6/16/2010	0.0028
		12/16/2010	<0.007
		6/28/2011	<0.01
		12/6/2011	<0.01
		6/19/2012	<0.008
		12/4/2012	<0.015
		6/18/2013	0.0021
		12/3/2013	0.0024
		6/17/2014	0.0017
		4/26/2015	0.0044
		6/23/2015	0.0019
		12/16/2015	0.0025
		6/21/2016	0.003
		12/7/2016	0.0048
6/21/2017	0.0041		
12/13/2017	0.0049		
MW-51SR	Nickel	12/9/2009	<0.011
		6/17/2010	0.042
		12/16/2010	<0.008
		6/29/2011	<0.0075
		12/7/2011	<0.005
		6/20/2012	<0.006
		12/5/2012	<0.015
		6/19/2013	<0.001
12/4/2013	<0.001		

MW-51SR	Nickel	6/18/2014	0.0024
		12/10/2014	0.0023
		6/24/2015	0.0019
		12/17/2015	0.0021
		6/22/2016	0.0018
		12/8/2016	0.0018
		6/22/2017	0.0042
		12/14/2017	0.0021
MW-101S	Vanadium	12/8/2009	<0.002
		6/16/2010	<0.0001
		12/16/2010	<0.002
		6/28/2011	<0.02
		12/6/2011	<0.01
		6/19/2012	<0.008
		12/4/2012	<0.02
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		12/9/2014	<0.0005
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
12/7/2016	<0.002		
6/21/2017	<0.002		
12/13/2017	<0.002		
MW-107S	Vanadium	12/8/2009	<0.002
		6/16/2010	0.00014
		12/16/2010	<0.002
		6/28/2011	<0.02
		12/6/2011	<0.01
		6/19/2012	<0.008
		12/4/2012	<0.02
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		12/9/2014	<0.001
		6/24/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
12/7/2016	<0.002		
6/21/2017	<0.002		
12/13/2017	<0.002		
MW-113SR	Vanadium	12/9/2009	<0.002

MW-113SR	Vanadium	6/17/2010	0.00012
		12/16/2010	<0.002
		6/29/2011	<0.02
		12/7/2011	<0.01
		6/20/2012	<0.008
		12/5/2012	<0.02
		6/19/2013	<0.001
		12/4/2013	<0.001
		6/18/2014	<0.001
		12/10/2014	<0.0005
		6/24/2015	<0.002
		12/17/2015	<0.002
		6/22/2016	<0.002
		12/8/2016	<0.002
		6/21/2017	<0.002
12/14/2017	<0.002		
MW-30D	Vanadium	12/8/2009	<0.002
		6/16/2010	0.00024
		12/16/2010	<0.002
		6/28/2011	<0.02
		12/6/2011	<0.01
		6/19/2012	<0.008
		12/4/2012	<0.02
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001
		12/9/2014	<0.0005
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
		12/7/2016	<0.002
6/21/2017	<0.002		
12/13/2017	<0.002		
MW-31D	Vanadium	12/8/2009	<0.002
		6/16/2010	0.00098
		12/16/2010	<0.002
		6/28/2011	<0.02
		12/6/2011	<0.01
		6/19/2012	<0.008
		12/4/2012	<0.02
		6/18/2013	<0.001
		12/3/2013	<0.001
		6/17/2014	<0.001

MW-31D	Vanadium	4/26/2015	0.011
		6/23/2015	<0.002
		12/16/2015	<0.002
		6/21/2016	<0.002
		12/7/2016	<0.002
		6/21/2017	<0.002
		12/13/2017	<0.002
MW-51SR	Vanadium	12/9/2009	<0.002
		6/17/2010	0.001
		12/16/2010	<0.002
		6/29/2011	<0.02
		12/7/2011	<0.01
		6/20/2012	<0.008
		12/5/2012	<0.02
		6/19/2013	<0.001
		12/4/2013	<0.001
		6/18/2014	<0.001
		12/10/2014	<0.0005
		6/24/2015	<0.002
		12/17/2015	<0.002
		6/22/2016	<0.002
		12/8/2016	<0.002
6/22/2017	<0.002		
12/14/2017	<0.002		
MW-101S	Zinc	6/16/2010	0.0079
		12/4/2012	<0.02
		6/18/2013	<0.005
		12/3/2013	<0.005
		6/17/2014	0.0069
		12/9/2014	0.005
		6/23/2015	0.0064
		12/16/2015	0.011
		6/21/2016	<0.006
		12/7/2016	0.0083
		6/21/2017	0.0081
12/13/2017	0.0064		
MW-107S	Zinc	12/8/2009	<0.014
		6/16/2010	0.0072
		12/16/2010	<0.015
		6/28/2011	<0.02
		12/4/2012	<0.02
		6/18/2013	<0.005
12/3/2013	<0.005		

MW-107S	Zinc	6/17/2014	0.0079
		12/9/2014	0.0071
		6/24/2015	<0.006
		12/16/2015	0.011
		6/21/2016	0.013
		12/7/2016	0.0071
		6/21/2017	0.018
		12/13/2017	0.012
MW-113SR	Zinc	12/9/2009	<0.018
		6/17/2010	0.012
		12/16/2010	<0.017
		6/29/2011	<0.02
		6/20/2012	<0.02
		12/5/2012	<0.02
		6/19/2013	0.0072
		12/4/2013	<0.005
		6/18/2014	0.005
		12/10/2014	0.0055
		6/24/2015	0.0069
		12/17/2015	0.0064
		6/22/2016	<0.006
		12/8/2016	<0.006
		6/21/2017	0.0083
12/14/2017	0.0093		
MW-30D	Zinc	12/8/2009	<0.008
		6/16/2010	<0.005
		12/16/2010	0.00823
		6/28/2011	<0.02
		12/6/2011	<0.01
		6/19/2012	<0.01
		12/4/2012	<0.02
		6/18/2013	<0.005
		12/3/2013	0.0061
		6/17/2014	<0.005
		12/9/2014	0.0073
		6/23/2015	<0.006
		12/16/2015	<0.006
		6/21/2016	<0.006
		12/7/2016	<0.006
		6/21/2017	<0.006
12/13/2017	<0.006		
MW-31D	Zinc	4/26/2015	<0.003
		6/23/2015	<0.006

MW-31D	Zinc	12/16/2015	0.014
MW-51SR	Zinc	6/17/2010	0.01
		6/29/2011	<0.02
		12/5/2012	<0.02
		6/19/2013	<0.005
		12/4/2013	<0.005
		6/18/2014	0.012
		12/10/2014	0.0088
		6/24/2015	<0.006
		12/17/2015	0.015
		6/22/2016	0.013
		12/8/2016	0.0082
		6/22/2017	0.02
		12/14/2017	0.012