

Appendix A: Ohio Large Non-EGUs: 2013-2015 theoretical NOx emissions (Option 1 Demonstration)

Non-EGUs from 3745-14 Appendix B: NOx SIP Call Original Facility Name	Non-EGUs under 3745-109: CAIR	Facility ID	Unit ID	Status	Current Facility Name	Notes	2013				2014				2015				2013-2015 MAX
							Actual NOx (tons)	Operating Time	Rate (lbs/hr)	Theoretical Tonnage	Actual NOx (tons)	Operating Time	Rate (lbs/hr)	Theoretical Tonnage	Actual NOx (tons)	Operating Time	Rate (lbs/hr)	Theoretical Tonnage	
AK Steel	AK Steel Middletown Plant	1409010006	P009	Operating	AK Steel Corporation		34.71	2882.45	24.09	44.22	60.10	3120.40	38.52	70.72	74.16	3478.30	42.64	78.29	78.29
AK Steel	AK Steel Middletown Plant	1409010006	P010	Operating	AK Steel Corporation		43.43	3173.70	27.37	50.25	68.00	3105.52	43.79	80.40	79.45	3485.80	45.59	83.70	83.70
AK Steel	AK Steel Middletown Plant	1409010006	P011	Operating	AK Steel Corporation		49.35	3152.70	31.31	57.48	59.99	3406.20	35.22	64.67	57.62	2009.40	57.35	105.30	105.30
AK Steel	AK Steel Middletown Plant	1409010006	P012	Operating	AK Steel Corporation		52.44	3587.72	29.23	53.67	51.38	3408.60	30.15	55.35	33.98	2907.17	23.38	42.92	55.35
Cargill	Cargill, Inc. Dayton	0857041124	B004	Operating	Cargill, Inc. - Dayton		204.89	3664.25	111.83	205.32	205.44	3672.00	111.89	205.44	132.79	3671.00	72.34	132.83	205.44
Cargill	Cargill, Inc. Dayton	0857041124	B006	Operating	Cargill, Inc. - Dayton		2.96	1929.00	3.06	5.63	1.34	601.00	4.45	8.16	13.18	3383.00	7.79	14.31	14.31
LTV Steel Company	Arcelor Mittal Cleveland Works	1318001613	B001	Operating	ArcelorMittal Cleveland LLC		3.10	1688.30	3.67	6.74	3.71	655.56	11.32	20.78	8.93	3672.00	4.86	8.93	20.78
LTV Steel Company	Arcelor Mittal Cleveland Works	1318001613	B002	Operating	ArcelorMittal Cleveland LLC		10.31	3361.95	6.13	11.26	12.11	3427.17	7.07	12.98	2.11	585.24	7.21	13.23	13.23
LTV Steel Company	Arcelor Mittal Cleveland Works	1318001613	B003	Operating	ArcelorMittal Cleveland LLC		8.78	2377.72	7.38	13.55	10.83	3057.38	7.09	13.01	14.42	3253.30	8.86	16.27	16.27
LTV Steel Company	Arcelor Mittal Cleveland Works	1318001613	B004	Operating	ArcelorMittal Cleveland LLC		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
LTV Steel Company	Arcelor Mittal Cleveland Works	1318001613	B007	Operating	ArcelorMittal Cleveland LLC		4.96	3086.19	3.21	5.90	3.77	3659.03	2.06	3.79	5.88	3636.00	3.23	5.93	5.93
Mead	PH Glatfelter	0671010028	B002	Operating	P. H. Glatfelter Company - Chillicothe Facility		159.58	2479.73	128.71	236.31	278.93	3665.12	152.21	279.45	223.66	3470.58	128.89	236.64	279.45
Mead	PH Glatfelter	0671010028	B003	Operating	P. H. Glatfelter Company - Chillicothe Facility		450.09	3672.00	245.14	450.09	479.22	3644.62	262.97	482.82	349.44	3469.86	201.41	369.79	482.82
Premcor Refinery	Premcor Lima Refinery	0302020012	B026	Operating	Lima Refining Company		15.54	3342.00	9.30	17.07	35.58	3659.00	19.45	35.71	15.18	2751.00	11.04	20.26	35.71
Procter & Gamble	P&G Ivorydale	1431390903	B022	Operating	DTE ST. Bernard (Facility ID 1431394148)		282.71	3407.27	165.95	304.68	211.07	3370.85	125.23	229.92	197.85	3425.98	115.50	212.06	304.68
Republic Engineered Steels	Republic Lorian Plant	0247080229	B013	Operating	Republic Steel	No emissions 2009-2015 - company has not ruled out operating in future	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
WCI Steel	WCI Steel Warren Plant	0278000463	B010	Operating	ArcelorMittal Warren	Acquired from BDM/RG Steel Warren on 1/1/13 (B001)	54.69	298.19	366.80	673.44	29.72	485.67	122.40	224.72	0.00	0.00		0.00	673.44
WCI Steel	WCI Steel Warren Plant	0278000463	B011	Operating	ArcelorMittal Warren	Acquired from BDM/RG Steel Warren on 1/1/13 (B002)	6.29	122.30	102.81	188.76	65.74	2257.48	58.24	106.93	0.00	0.00		0.00	188.76
WCI Steel	WCI Steel Warren Plant	0278000463	B012	Operating	ArcelorMittal Warren	Acquired from BDM/RG Steel Warren on 1/1/13 (B004)	67.94	3472.10	39.13	71.85	35.78	1414.45	50.59	92.88	69.80	3671.94	38.02	69.80	92.88
----	BP Toledo Refinery	0448020007	B034	Operating	BP-Husky Refining LLC	began operating 5/1/06	11.53	3235.75	7.12	13.08	12.91	3605.80	7.16	13.15	8.36	2518.61	6.64	12.19	13.15
----	BP Toledo Refinery	0448020007	B035	Operating	BP-Husky Refining LLC	began operating 5/1/06	32.75	3602.69	18.18	33.38	16.71	3214.40	10.40	19.09	25.91	3665.28	14.14	25.96	33.38
----	AEP Cardinal	0641050002	B008	Operating	Cardinal Power Plant	began operating 6/1/1977 (limited use aux boiler)	1.09	83.55	26.16	48.04	1.91	79.30	48.17	88.44	1.09	76.16	28.70	52.70	88.44
----	AEP Cardinal	0641050002	B010	Operating	Cardinal Power Plant	began operating 12/14/06 (aux boiler)	14.33	333.85	85.83	157.58	0.58	14.64	79.23	145.48	7.11	179.59	79.20	145.42	157.58
----	AEP General JM Gavin	0627010056	B001	Operating	General James M. Gavin Power Plant	began operating 6/1/73 (limited use aux boiler)	1.91	56.84	67.21	123.39	0.01	0.38	63.16	115.96	0.00	0.00		0.00	123.39
----	AEP General JM Gavin	0627010056	B002	Operating	General James M. Gavin Power Plant	began operating 6/1/73 (limited use aux boiler)	1.42	42.39	67.19	123.35	0.05	1.49	61.74	113.36	0.03	0.87	62.07	113.96	123.35
----	Duke Energy W.H. Zimmer	1413090154	B007	Operating	W. H. Zimmer Power Station	began operating 4/23/13 (aux boiler)	1.48	125.57	23.60	43.34	2.55	296.72	17.17	31.53	2.77	344.09	16.08	29.52	43.34
----	Duke Energy W.H. Zimmer	1413090154	B008	Operating	W. H. Zimmer Power Station	began operating 4/23/13 (aux boiler)	1.13	108.48	20.85	38.28	2.44	277.04	17.59	32.29	2.24	306.30	14.61	26.83	38.28
----	OSU Columbus	0125042608	B132	Operating	The Ohio State University	began operating 9/1/98	6.26	3672.00	3.41	6.26	7.36	3672.00	4.01	7.36	0.64	3672.00	0.35	0.64	7.36
LTV Steel Company	Arcelor Mittal Cleveland Works	1318001613	B905	Shutdown	ArcelorMittal Cleveland LLC	Replaced/Same as B007	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Biomass Energy	Biomass Energy South Point Power	0744000009	B003	Shutdown 1998	South Point Ethanol		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Biomass Energy	Biomass Energy South Point Power	0744000009	B004	Shutdown 1998	South Point Ethanol		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Biomass Energy	Biomass Energy South Point Power	0744000009	B007	Shutdown 1998	South Point Ethanol		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Procter & Gamble	P&G Ivorydale	1431390903	B021	Shutdown 2001			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Mead	PH Glatfelter	0671010028	B001	Shutdown 2002			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
New Boston Coke Corp.	New Boston Coke Corp.	0773010004	B008	Shutdown 2002			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
New Boston Coke Corp.	New Boston Coke Corp.	0773010004	B009	Shutdown 2002			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
----	Conesville	0616000000	B005	Shutdown 2004			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
BP Oil Toledo Refinery	BP Products Toledo Refinery	0448020007	B004	Shutdown 2005	BP Husky		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
BP Oil Toledo Refinery	BP Products Toledo Refinery	0448020007	B020	Shutdown 2005	BP Husky		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
----	Sunoco, Inc. Haverhill Plant	0773000080	B014	Shutdown 2006	Haverhill Chemicals		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Goodyear Tire & Rubber	Goodyear Akron Plant	1677010193	B101	Shutdown 2007			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Goodyear Tire & Rubber	Goodyear Akron Plant	1677010193	B102	Shutdown 2007			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Sun Oil, Toledo Refinery	Sunoco, Inc. Toledo Refinery	0448010246	B044	Shutdown 2010			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
----	DP&L J.M. Stuart	0701000007	B005	Shutdown 2010			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Smart Papers	Smart Papers Hamilton Mill	1409040212	B010	Shutdown 2012			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
Cognis	Cognis Corp., Cincinnati Plant	1431070035	B027	Shutdown 2013	Emery Oleochemicals		0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00
----	AEP Muskingum River	0684000000	B001	Shutdown 2015			0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00

Total: 2982.92

Total: 2554.36

Total: 1817.49

Total: 3284.61