APPENDIX A

Air Quality System (AQS) Monitor Data Values for the Entire Cincinnati-Hamilton, OH-KY-IN Nonattainment Area

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AQS Monitoring Data for Kentucky's Portion of the Cincinnati-Hamilton OH-KY-IN 2008 8-Hour Ozone Nonattainment Area

KENTUCKY																
8-HOUR Ozone (44201)																
(PARTS PER MILLION)																
									VALID	NUM	1ST	2ND	3RD	4TH	DAY	
									DAYS	DAYS	MAX	MAX	MAX	MAX	MAX >	
SITE ID	POC	PQAO	CITY	COUNTY	ADDRESS	YEAR	METH	%OBS	MEAS	REQ	8-HR	8-HR	8-HR	8-HR	0.075	CERT
21-015-0003	1	584	Not in a city	Boone	KY 338 & LOWER RIVER ROAD	2009	87	98	241	245	0.069	0.067	0.065	0.064	0	
21-015-0003	1	584	Not in a city	Boone	KY 338 & LOWER RIVER ROAD	2010	87	100	245	245	0.081	0.072	0.067	0.067	1	
21-015-0003	1	584	Not in a city	Boone	KY 338 & LOWER RIVER ROAD	2011	87	98	239	245	0.075	0.072	0.071	0.070	0	
21-015-0003	1	584	Not in a city	Boone	KY 338 & LOWER RIVER ROAD	2012	87	100	245	245	0.085	0.083	0.078	0.074	3	Y
21-015-0003	1	584	Not in a city	Boone	KY 338 & LOWER RIVER ROAD	2013	87	100	244	245	0.071	0.062	0.060	0.059	0	Y
21-015-0003	1	584	Not in a city	Boone	KY 338 & LOWER RIVER ROAD	2014	87	100	245	245	0.064	0.064	0.062	0.062	0	Y
21-037-3002	1	584	Highland Heights	Campbell	524A John Hill Road	2009	87	100	245	245	0.075	0.072	0.070	0.068	0	
21-037-3002	1	584	Highland Heights	Campbell	524A John Hill Road	2010	87	97	238	245	0.080	0.075	0.075	0.073	1	
21-037-3002	1	584	Highland Heights	Campbell	524A John Hill Road	2011	87	99	243	245	0.084	0.084	0.080	0.080	12	
21-037-3002	1	584	Highland Heights	Campbell	524A John Hill Road	2012	87	99	242	245	0.106	0.089	0.084	0.084	12	Y
21-037-3002	1	584	Highland Heights	Campbell	524A John Hill Road	2013	87	100	245	245	0.079	0.076	0.072	0.072	2	Y
21-037-3002	1	584	Highland Heights	Campbell	524A John Hill Road	2014	87	99	242	245	0.074	0.074	0.072	0.071	0	Y
21-117-0007	1	584	Covington	Kenton	1401 DIXIE HWY, UNIVERSITY COLLEGE	2009	87	99	242	245	0.076	0.075	0.075	0.074	1	
21-[illegible]007	1	584	Covington	Kenton	1401 DIXIE HWY, UNIVERSITY COLLEGE	2010	87	37	90	245	0.075	0.068	0.066	0.064*	0	

* Monitor discontinued May 2010.

AQS Monitoring Data for Ohio's Portion of the Cincinnati-Hamilton, OH-KY-IN 2008 8-Hour Ozone Nonattainment Area

OHIO	8-HOUR Ozone (44201)		(PARTS PER MILLION)						VALID	NUM	1ST	2ND	3RD	4TH	DAY	
									DAYS	DAYS	MAX	MAX	MAX	MAX	MAX >	
SITE ID	POC	PQAO	CITY	COUNTY	ADDRESS	YEAR	METH	%OBS	MEAS	REQ	8-HR	8-HR	8-HR	8-HR	0.075	CERT
39-017-0004	1	1259	Hamilton	Butler	SCHULER AND BENDER	2009	87	98	201	214	0.079	0.078	0.074	0.073	2	
39-017-0004	1	1259	Hamilton	Butler	SCHULER AND BENDER	2010	87	99	212	214	0.083	0.083	0.081	0.077	7	
39-017-0004	1	1259	Hamilton	Butler	SCHULER AND BENDER	2011	87	100	214	214	0.085	0.081	0.079	0.078	8	
39-017-0004	1	1259	Hamilton	Butler	SCHULER AND BENDER	2012	87	100	213	214	0.095	0.090	0.089	0.083	15	Y
39-017-0004	1	1259	Hamilton	Butler	SCHULER AND BENDER	2013	87	98	209	214	0.070	0.070	0.069	0.068		
39-017-0004	1	1259	Hamilton	Butler	SCHULER AND BENDER	2014	87	99	212	214	0.080	0.072	0.071	0.070	1	Y
39-017-1004	3	1259	Middletown	Butler	HOOK FIELD AIRPORT	2009	87	100	214	214	0.078	0.076	0.076	0.076	4	
39-017-0018	1	1259	Middletown	Butler	1701 RUNWAY DR.	2010	87	99	212	214	0.086	0.081	0.081	0.080	13	
39-017-0018	1	1259	Middletown	Butler	1701 RUNWAY DR.	2011	87	100	214	214	0.094	0.084	0.083	0.082	11	
39-017-0018	1	1259	Middletown	Butler	1701 RUNWAY DR.	2012	87	95	203	214	0.088	0.087	0.085	0.084	12	Y
39-017-0018	1	1259	Middletown	Butler	1701 RUNWAY DR.	2013	87	100	214	214	0.076	0.070	0.068	0.068	1	
39-017-0018	1	1259	Middletown	Butler	1701 RUNWAY DR.	2014	87	99	212	214	0.075	0.073	0.071	0.069	0	Y
39-017-9991	1	1344	Oxford	Butler	ECOLOGY RESEARCH CENTER, MIAMI UNIVERSITY	2011	47	77	164	214	0.087	0.079	0.079	0.079	6	Y
39-017-9991	1	1344	Oxford	Butler	ECOLOGY RESEARCH CENTER, MIAMI UNIVERSITY	2012	47	93	198	214	0.097	0.088	0.087	0.085	11	Y
39-017-9991	1	1344	Oxford	Butler	ECOLOGY RESEARCH CENTER, MIAMI UNIVERSITY	2013	47	94	201	214	0.075	0.073	0.069	0.069	0	Y
39-017-9991	1	1344	Oxford	Butler	ECOLOGY RESEARCH CENTER, MIAMI UNIVERSITY	2014	47	94	201	214	0.074	0.072	0.071	0.069	0	
39-025-0022	1	1259	Batavia	Clermont	2400 CLERMONT CNTR.	2009	87	99	212	214	0.071	0.071	0.069	0.069	0	
39-025-0022	1	1259	Batavia	Clermont	2400 CLERMONT CNTR	2010	87	99	211	214	0.087	0.078	0.078	0.075	3	
39-025-0022	1	1259	Batavia	Clermont	2400 CLERMONT CNTR.	2011	87	99	212	214	0.097	0.093	0.085	0.082	9	
39-025-0022	1	1259	Batavia	Clermont	2400 CLERMONT CNTR	2012	87	100	214	214	0.107	0.097	0.094	0.091	13	Y
39-025-0022	1	1259	Batavia	Clermont	2400 CLERMONT CNTR.	2013	87	100	213	214	0.078	0.069	0.066	0.066	1	
39-025-0022	1	1259	Batavia	Clermont	2400 CLERMONT CNTR	2014	87	98	210	214	0.070	0.069	0.068	0.068	0	Y
39-027-1002	1	810	Wilmington	Clinton	62 LAUREL DR.	2009	47	96	205	214	0.073	0.072	0.071	0.070	0	
39-027-1002	1	810	Wilmington	Clinton	62 LAUREL DR.	2010	47	99	211	214	0.080	0.077	0.076	0.076	4	
39-027-1002	1	810	Wilmington	Clinton	62 LAUREL DR.	2011	47	99	212	214	0.090	0.087	0.086	0.084	13	
39-027-1002	1	810	Wilmington	Clinton	62 LAUREL DR.	2012	47	100	213	214	0.100	0.091	0.087	0.086	8	Y
39-027-1002	1	810	Wilmington	Clinton	62 LAUREL DR.	2013	47	99	212	214	0.077	0.069	0.065	0.064	1	
39-027-1002	1	810	Wilmington	Clinton	62 LAUREL DR.	2014	47	99	212	214	0.077	0.071	0.070	0.070	1	Y
39-061-0006	1	1259	Cincinnati	Hamilton	11590 GROOMS RD	2009	87	98	209	214	0.080	0.076	0.075	0.072	2	
39-061-0006	1	1259	Cincinnati	Hamilton	11590 GROOMS RD	2010	87	99	212	214	0.092	0.089	0.083	0.080	11	
39-061-0006	1	1259	Cincinnati	Hamilton	11590 GROOMS RD	2011	87	98	209	214	0.093	0.092	0.088	0.088	18	
39-061-0006	1	1259	Cincinnati	Hamilton	11590 GROOMS RD	2012	87	96	206	214	0.098	0.096	0.092	0.087	12	Y
39-061-0006	1	1259	Cincinnati	Hamilton	11590 GROOMS RD	2013	87	95	204	214	0.074	0.070	0.069	0.069	0	
39-061-0006	1	1259	Cincinnati	Hamilton	11590 GROOMS RD	2014	87	96	205	214	0.083	0.072	0.071	0.070	1	Y
39-061-0010	1	1259	Cleves	Hamilton	6950 RIPPLE RD.	2009	87	80	172	214	0.069	0.066	0.065	0.065	0	
39-061-0010	1	1259	Cleves	Hamilton	6950 RIPPLE RD.	2010	87	98	210	214	0.094	0.084	0.083	0.079	5	
39-061-0010	1	1259	Cleves	Hamilton	6950 RIPPLE RD.	2011	87	99	211	214	0.081	0.079	0.078	0.078	7	
39-061-0010	1	1259	Cleves	Hamilton	6950 RIPPLE RD.	2012	87	87	187	214	0.090	0.085	0.085	0.083	12	Y
39-061-0010	1	1259	Cleves	Hamilton	6950 RIPPLE RD.	2013	87	97	208	214	0.073	0.071	0.069	0.064	0	
39-061-0010	1	1259	Cleves	Hamilton	6950 RIPPLE RD.	2014	87	100	213	214	0.076	0.075	0.074	0.073	1	Y
39-061-0040	1	1259	Cincinnati	Hamilton	250 WM. HOWARD TAFT	2009	87	99	211	214	0.077	0.076	0.074	0.074	2	
39-061-0040	1	1259	Cincinnati	Hamilton	250 WM. HOWARD TAFT	2010	87	100	214	214	0.093	0.078	0.077	0.075	3	
39-061-0040	1	1259	Cincinnati	Hamilton	250 WM. HOWARD TAFT	2011	87	100	214	214	0.097	0.089	0.087	0.085	15	
39-061-0040	1	1259	Cincinnati	Hamilton	250 WM. HOWARD TAFT	2012	87	100	213	214	0.096	0.083	0.082	0.082	11	
39-061-0040	1	1259	Cincinnati	Hamilton	250 WM. HOWARD TAFT	2013	87	99	212	214	0.074	0.073	0.072	0.069	0	
39-061-0040	1	1259	Cincinnati	Hamilton	250 WM. HOWARD TAFT	2014	87	100	213	214	0.078	0.074	0.069	0.069	1	Y

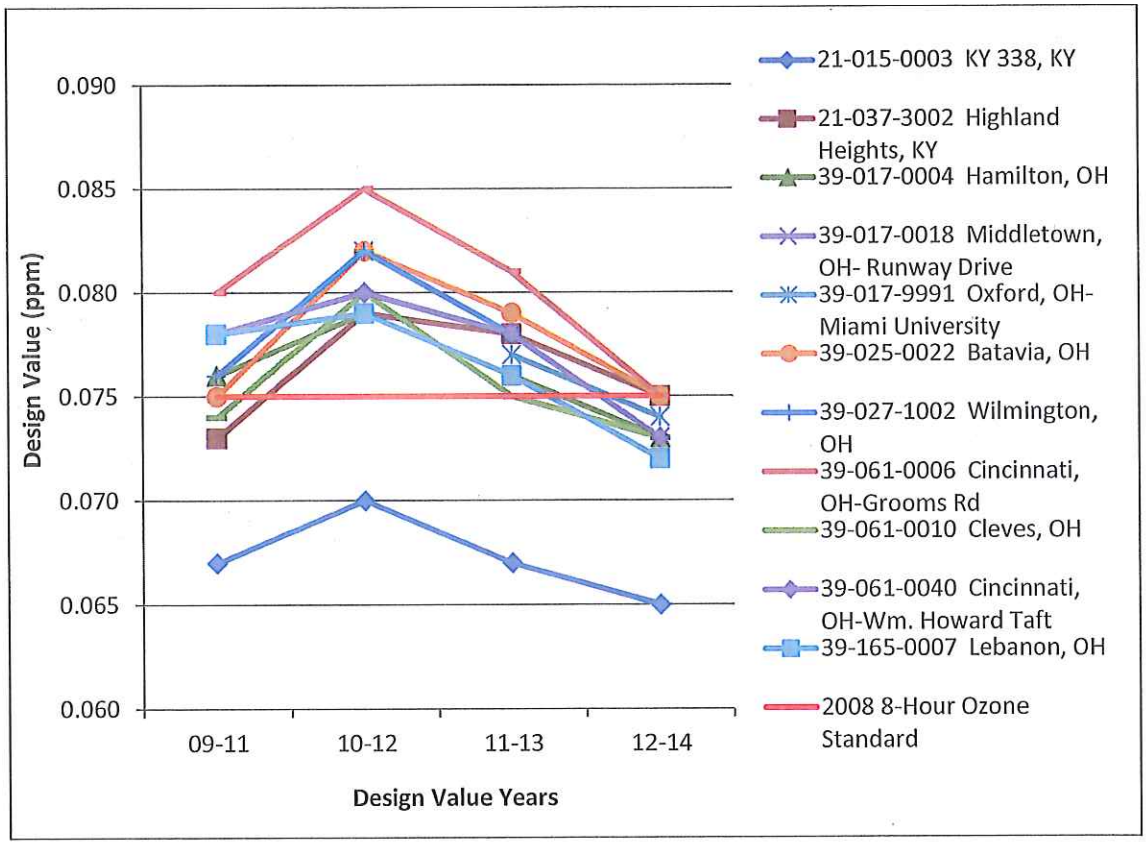
OHIO	8-HOUR Ozone (44201)		(PARTS PER MILLION)						VALID	NUM	1ST	2ND	3RD	4TH	DAY	
SITE ID	POC	PQAO	CITY	COUNTY	ADDRESS	YEAR	METH	%OBS	DAYS MEAS	DAYS REQ	MAX 8-HR	MAX 8-HR	MAX 8-HR	MAX 8-HR	MAX > 0.075	CERT
39-165-0007	1	1259	Lebanon	Warren	416 SOUTHEAST ST.	2009	87	100	213	214	0.080	0.080	0.078	0.077	4	
39-165-0007	1	1259	Lebanon	Warren	416 SOUTHEAST ST.	2010	87	100	214	214	0.085	0.078	0.077	0.076	4	
39-165-0007	1	1259	Lebanon	Warren	416 SOUTHEAST ST.	2011	87	100	213	214	0.092	0.083	0.083	0.082	10	
39-165-0007	1	1259	Lebanon	Warren	416 SOUTHEAST ST.	2012	87	100	213	214	0.092	0.089	0.084	0.080	5	Y
39-165-0007	1	1259	Lebanon	Warren	416 SOUTHEAST ST.	2013	87	99	212	214	0.074	0.072	0.071	0.067	0	
39-165-0007	1	1259	Lebanon	Warren	416 SOUTHEAST ST.	2014	87	100	213	214	0.074	0.073	0.071	0.071	0	Y

AQS Monitoring Data for the Entire Cincinnati-Hamilton, OH-KY-IN 2008 8-Hour Ozone Nonattainment Area

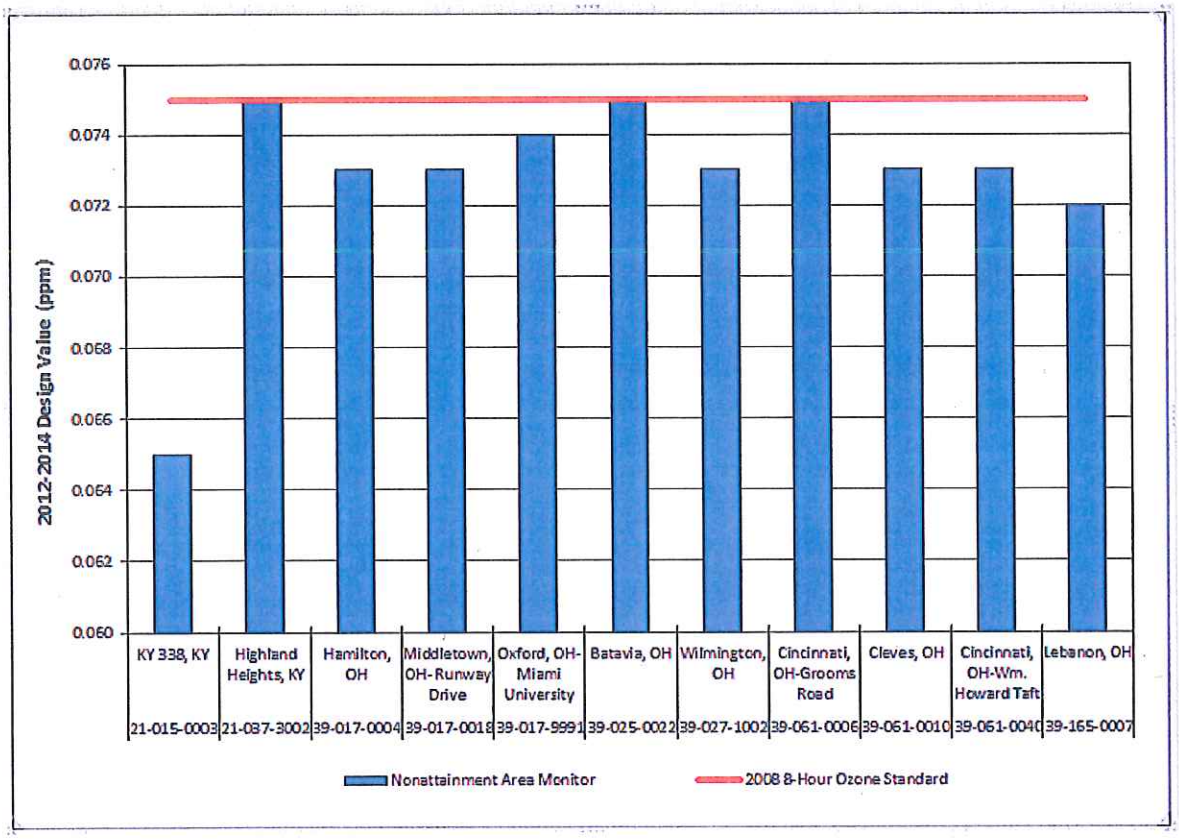
			Annual Fourth High						Design Value			
County	AQS #	Site	2009	2010	2011	2012	2013	2014	09-11 avg	10-12 avg	11-13 avg	12-14 avg
Boone	21-015-0003	KY 338, KY	0.064	0.067	0.070	0.074	0.059	0.062	0.067	0.070	0.067	0.065
Campbell	21-037-3002	Highland Heights, KY	0.068	0.073	0.080	0.084	0.072	0.071	0.073	0.079	0.078	0.075
Kenton	21-117-0007	Covington, KY	0.074	0.064*								
Butler	39-017-0004	Hamilton, OH	0.073	0.077	0.078	0.083	0.068	0.070	0.076	0.079	0.076	0.073
Butler	39-017-1004	Middletown, OH- Hook Field Municipal Airport	0.076*									
Butler	39-017-0018	Middletown, OH- Runway Drive		0.080	0.082	0.084	0.068	0.069		0.082	0.078	0.073
Butler	39-017-9991	Oxford, OH- Miami University			0.079	0.085	0.069	0.069			0.077	0.074
Clermont	39-025-0022	Batavia, OH	0.069	0.075	0.082	0.091	0.066	0.068	0.075	0.082	0.079	0.075
Clinton	39-027-1002	Wilmington, OH	0.070	0.076	0.084	0.086	0.064	0.070	0.076	0.082	0.078	0.073
Hamilton	39-061-0006	Cincinnati, OH-Grooms Road	0.072	0.080	0.088	0.087	0.069	0.070	0.080	0.085	0.081	0.075
Hamilton	39-061-0010	Cleves, OH	0.065	0.079	0.078	0.083	0.064	0.073	0.074	0.080	0.075	0.073
Hamilton	39-061-0040	Cincinnati, OH-Wm. Howard Taft	0.074	0.075	0.085	0.082	0.069	0.069	0.078	0.080	0.078	0.073
Warren	39-165-0007	Lebanon, OH	0.077	0.076	0.082	0.080	0.067	0.071	0.078	0.079	0.076	0.072

*Monitor discontinued mid-year.
Indicates values are > 0.075 ppm.

2009-2014 Design Values for the Cincinnati-Hamilton, OH-KY-IN 2008 8-Hour Nonattainment Area



Design Value Trends in the Cincinnati-Hamilton, OH-KY-IN 2008 8-Hour Ozone Nonattainment Area, 2012-2014



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