

APPENDIX C

Historical Nitrogen Oxides (NO_x), Sulfur Dioxides (SO₂) and Direct Fine Particulate Matter (PM_{2.5}) (2005 and 2008) Emission Trends for All Emission Categories in the 1997 Annual PM_{2.5} Cincinnati-Hamilton, OH-KY-IN, Nonattainment Area

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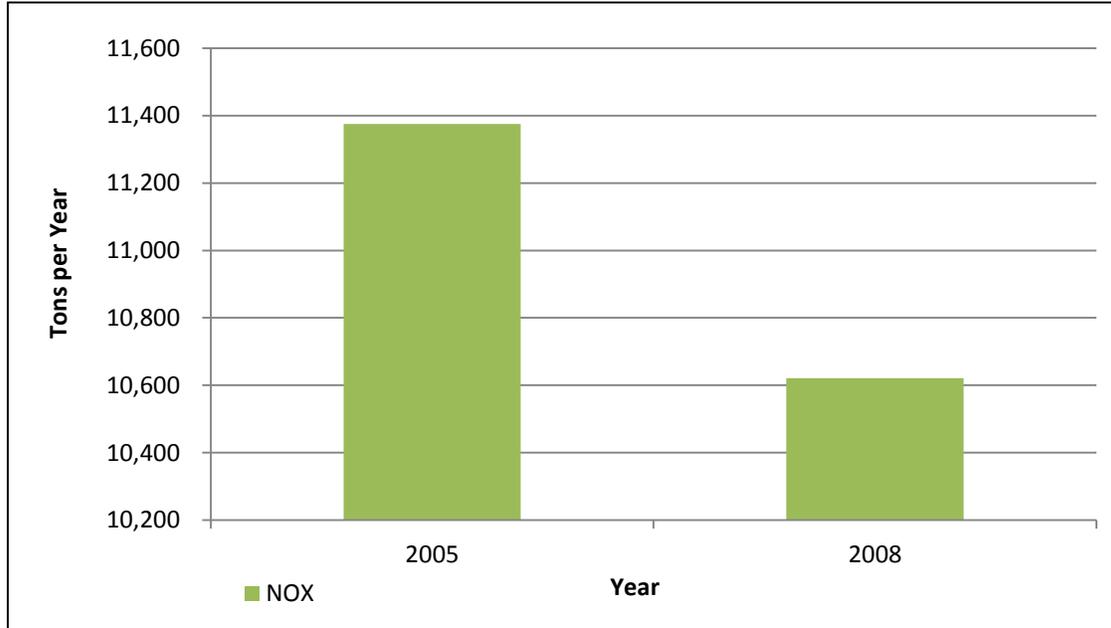
2005-Dearborn County, IN				
COUNTY, STATE	Sector	NO_x	Direct PM_{2.5}	SO₂
DEARBORN COUNTY, IN	ONROAD	865.46	33.98	2.45
DEARBORN COUNTY, IN	NONROAD	382.53	23.96	40.16
DEARBORN COUNTY, IN	AREA	141.37	4.29	78.72
DEARBORN COUNTY, IN	POINT	9,985.98	741.32	47,864.85

2005 Dearborn County, IN Totals					
	ONROAD	NONROAD	AREA	POINT	GRAND TOTAL
NO_x	865.46	382.53	141.37	9,985.98	11,375.34
Direct PM_{2.5}	33.98	23.96	4.29	741.32	803.55
SO₂	2.45	40.16	78.72	47,864.85	47,986.18

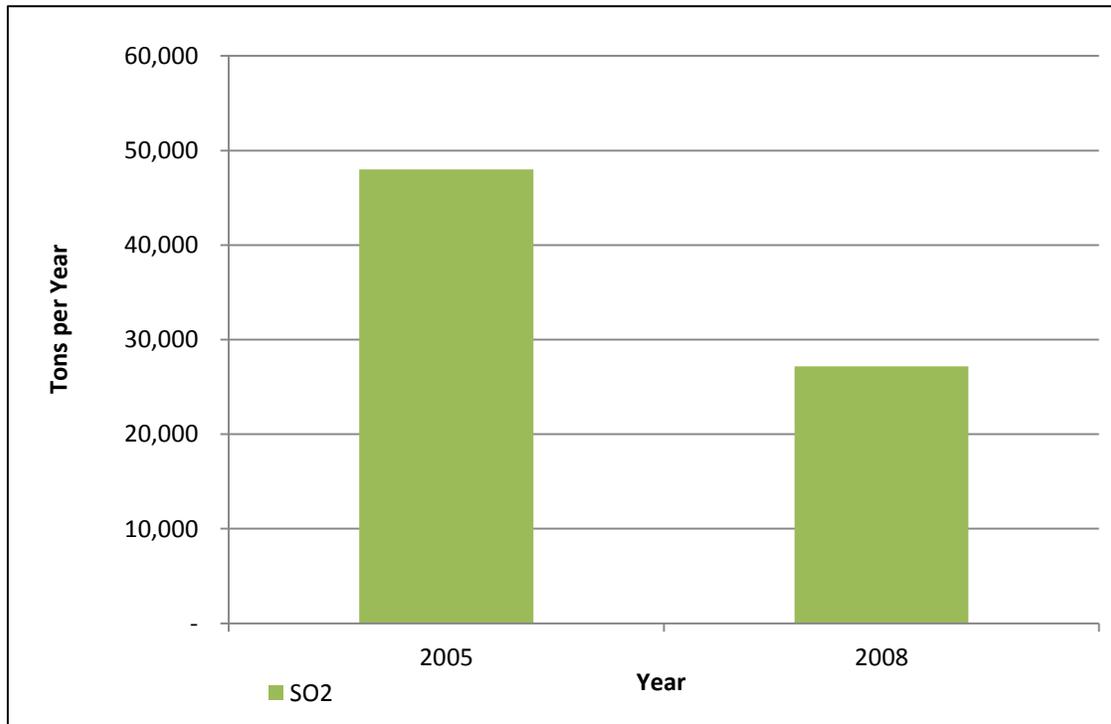
2008-Dearborn County, IN				
COUNTY, STATE	Sector	NO_x	Direct PM_{2.5}	SO₂
DEARBORN COUNTY, IN	ONROAD	748.81	29.89	2.69
DEARBORN COUNTY, IN	NONROAD	318.09	19.91	17.38
DEARBORN COUNTY, IN	AREA	145.42	4.29	81.02
DEARBORN COUNTY, IN	POINT	9,409.03	866.20	27,063.43

2008 Dearborn County, IN Totals					
	ONROAD	NONROAD	AREA	POINT	GRAND TOTAL
NO_x	748.81	318.09	145.42	9,409.03	10,621.35
Direct PM_{2.5}	29.89	19.91	4.29	866.20	920.29
SO₂	2.69	17.38	81.02	27,063.43	27,164.52

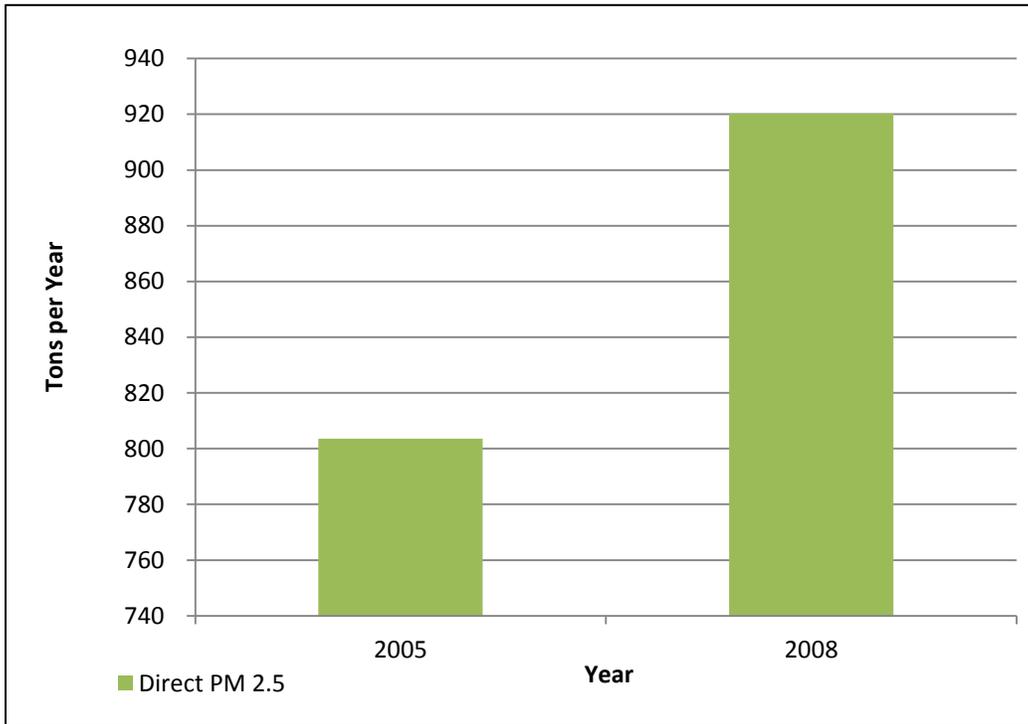
NO_x Emission Trends, All Sources in Dearborn County, IN, 2005 and 2008-With CAIR



SO₂ Emission Trends, All Sources in Dearborn County, IN, 2005 and 2008-With CAIR



Direct PM_{2.5} Emission Trends, All Sources in Dearborn County, IN, 2005 and 2008-With CAIR



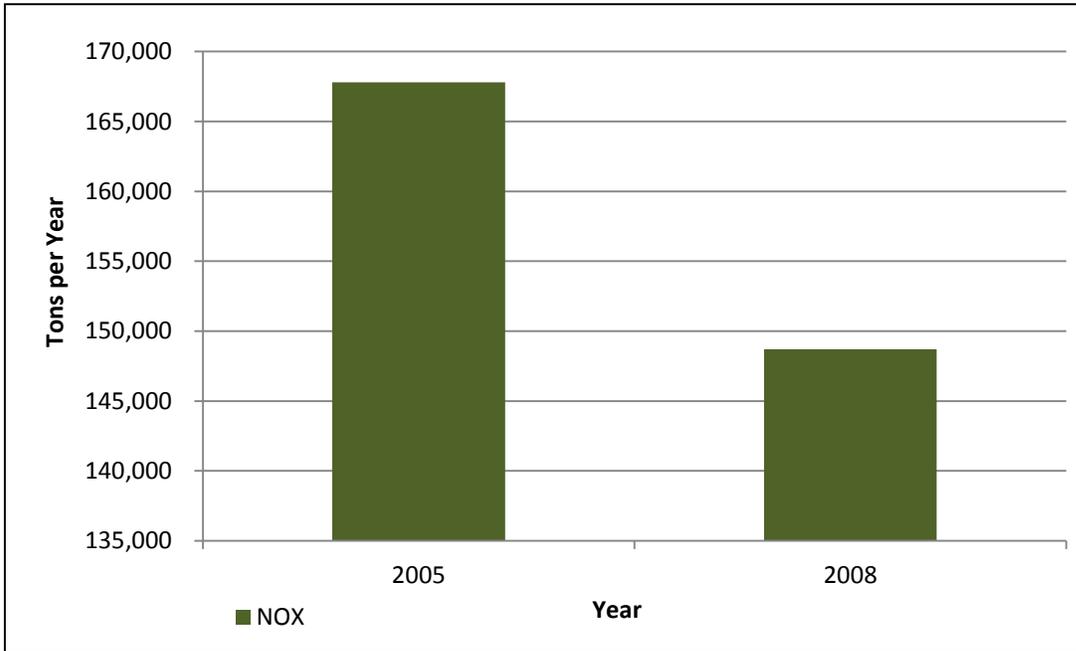
2005-Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area				
COUNTY, STATE	Sector	NO_x	Direct PM_{2.5}	SO₂
DEARBORN COUNTY, IN	ONROAD	865.46	33.98	2.45
DEARBORN COUNTY, IN	NONROAD	382.53	23.96	40.16
DEARBORN COUNTY, IN	AREA	141.37	4.29	78.72
DEARBORN COUNTY, IN	POINT	9,985.98	741.32	47,864.85
BOONE COUNTY, KY	ONROAD	5,126.88	205.21	15.91
BOONE COUNTY, KY	NONROAD	3,858.96	304.76	494.27
BOONE COUNTY, KY	AREA	1,844.50	351.27	1,054.33
BOONE COUNTY, KY	POINT	3,984.30	135.62	3,661.80
CAMPBELL COUNTY, KY	ONROAD	3,041.21	120.30	9.30
CAMPBELL COUNTY, KY	NONROAD	1,902.55	80.95	239.99
CAMPBELL COUNTY, KY	AREA	523.45	200.08	471.77
CAMPBELL COUNTY, KY	POINT	53.68	84.25	0.97
KENTON COUNTY, KY	ONROAD	5,328.44	212.29	16.24
KENTON COUNTY, KY	NONROAD	2,684.68	119.08	248.34
KENTON COUNTY, KY	AREA	1,542.27	365.74	1,196.61
KENTON COUNTY, KY	POINT	19.50	9.53	12.91
BUTLER COUNTY, OH	ONROAD	10,910.37	413.97	30.01
BUTLER COUNTY, OH	NONROAD	3,268.33	216.47	341.20
BUTLER COUNTY, OH	AREA	796.34	173.24	224.54
BUTLER COUNTY, OH	POINT	5,110.42	959.56	8,144.36
CLERMONT COUNTY, OH	ONROAD	7,295.87	281.79	20.51
CLERMONT COUNTY, OH	NONROAD	1,477.30	110.65	161.66
CLERMONT COUNTY, OH	AREA	612.97	193.70	164.72
CLERMONT COUNTY, OH	POINT	28,131.06	656.14	89,038.84
HAMILTON COUNTY, OH	ONROAD	31,127.09	1,222.02	88.85
HAMILTON COUNTY, OH	NONROAD	6,309.78	398.01	592.45
HAMILTON COUNTY, OH	AREA	1,923.27	303.61	163.45
HAMILTON COUNTY, OH	POINT	17,992.25	810.52	85,200.53
WARREN COUNTY, OH	ONROAD	8,224.57	320.74	208.73
WARREN COUNTY, OH	NONROAD	1,886.04	146.67	31.67
WARREN COUNTY, OH	AREA	426.57	236.92	140.25
WARREN COUNTY, OH	POINT	1,024.95	18.75	3.39

2005 Entire Cincinnati-Hamilton, OH-KY-IN Nonattainment Area Totals					
	ONROAD	NONROAD	AREA	POINT	GRAND TOTAL
NO_x	71,919.89	21,770.17	7,810.74	66,302.14	167,802.93
Direct PM_{2.5}	2,810.30	1,400.55	1,828.85	3,415.69	9,455.39
SO₂	392.00	2,149.74	3,494.39	233,927.65	239,963.79

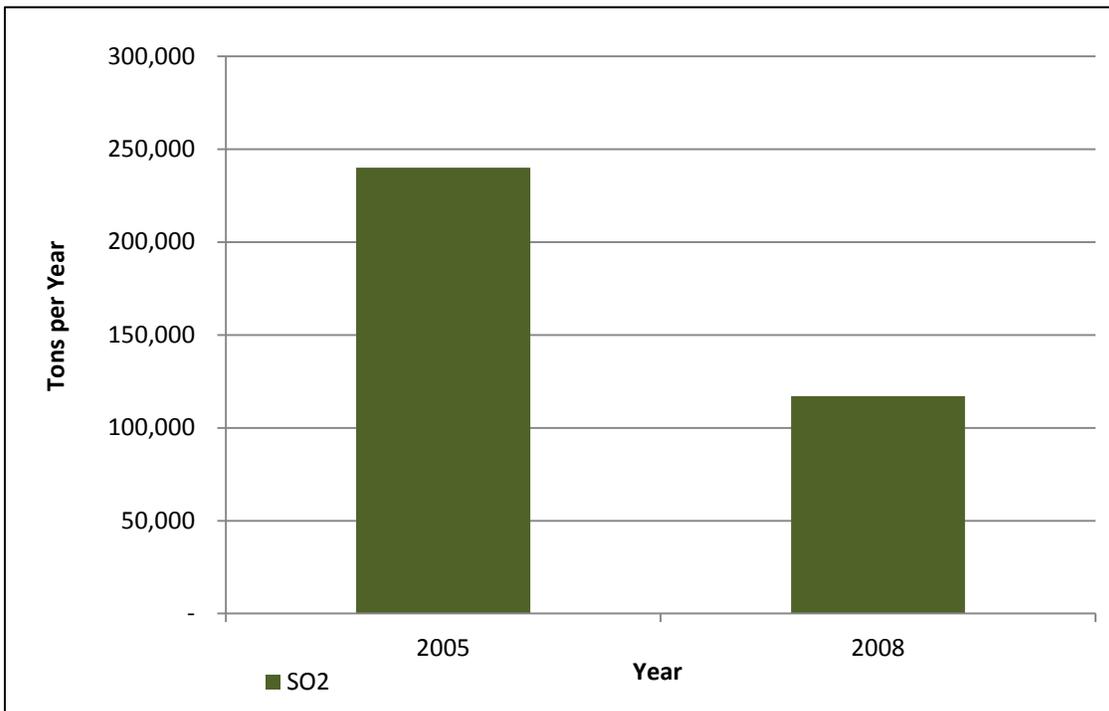
2008-Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area				
COUNTY, STATE	Sector	NO_x	Direct PM_{2.5}	SO₂
DEARBORN COUNTY, IN	ONROAD	748.81	29.89	2.69
DEARBORN COUNTY, IN	NONROAD	318.09	19.91	17.38
DEARBORN COUNTY, IN	AREA	145.42	4.29	81.02
DEARBORN COUNTY, IN	POINT	9,409.03	866.20	27,063.43
BOONE COUNTY, KY	ONROAD	5,067.94	251.85	16.71
BOONE COUNTY, KY	NONROAD	3,772.42	310.52	435.93
BOONE COUNTY, KY	AREA	1,897.28	353.71	1,066.79
BOONE COUNTY, KY	POINT	2,024.25	145.51	2,830.13
CAMPBELL COUNTY, KY	ONROAD	2,988.33	146.46	9.69
CAMPBELL COUNTY, KY	NONROAD	1,833.46	76.09	206.21
CAMPBELL COUNTY, KY	AREA	536.71	201.26	479.14
CAMPBELL COUNTY, KY	POINT	49.52	89.52	0.96
KENTON COUNTY, KY	ONROAD	5,057.93	247.31	16.34
KENTON COUNTY, KY	NONROAD	2,562.60	110.61	190.40
KENTON COUNTY, KY	AREA	1,581.60	366.69	1,210.42
KENTON COUNTY, KY	POINT	20.44	11.11	13.89
BUTLER COUNTY, OH	ONROAD	9,803.70	377.64	34.25
BUTLER COUNTY, OH	NONROAD	2,833.89	185.81	174.34
BUTLER COUNTY, OH	AREA	807.64	180.43	221.09
BUTLER COUNTY, OH	POINT	4,797.20	1,061.93	7,624.17
CLERMONT COUNTY, OH	ONROAD	6,516.40	256.60	23.32
CLERMONT COUNTY, OH	NONROAD	1,284.92	95.48	66.25
CLERMONT COUNTY, OH	AREA	619.27	196.15	162.20
CLERMONT COUNTY, OH	POINT	24,275.89	536.47	43,036.33
HAMILTON COUNTY, OH	ONROAD	27,020.93	1,080.54	98.30
HAMILTON COUNTY, OH	NONROAD	5,402.04	345.12	274.62
HAMILTON COUNTY, OH	AREA	1,955.47	323.94	161.80
HAMILTON COUNTY, OH	POINT	15,024.79	361.02	31,245.65
WARREN COUNTY, OH	ONROAD	7,267.18	289.56	76.29
WARREN COUNTY, OH	NONROAD	1,607.45	124.78	34.56
WARREN COUNTY, OH	AREA	432.28	238.33	138.31
WARREN COUNTY, OH	POINT	1,043.27	19.91	3.53

2008 Entire Cincinnati-Hamilton, OH-KY-IN Nonattainment Area Totals					
	ONROAD	NONROAD	AREA	POINT	GRAND TOTAL
NO_x	64,471.22	19,614.87	7,975.67	56,644.39	148,706.15
Direct PM_{2.5}	2,679.85	1,268.32	1,864.80	3,091.67	8,904.64
SO₂	277.59	1,399.69	3,520.77	111,818.09	117,016.14

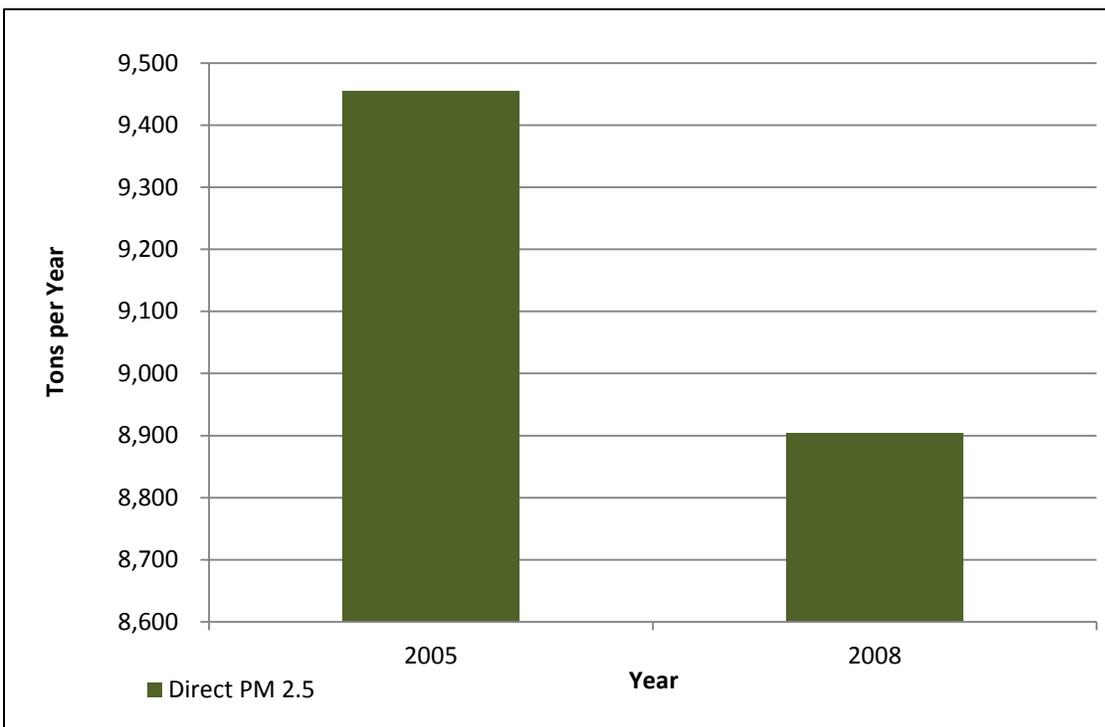
NO_x Emission Trends, All Sources in Entire Cincinnati-Hamilton, OH-KY-IN Nonattainment Area, 2005 and 2008-With CAIR



SO₂ Emission Trends, All Sources in Entire Cincinnati-Hamilton, OH-KY-IN Nonattainment Area, 2005 and 2008-With CAIR



Direct PM_{2.5} Emission Trends, All Sources in Entire Cincinnati-Hamilton, OH-KY-IN Nonattainment Area, 2005 and 2008-IN/KY-With CAIR, OH-Without CAIR



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