

APPENDIX D

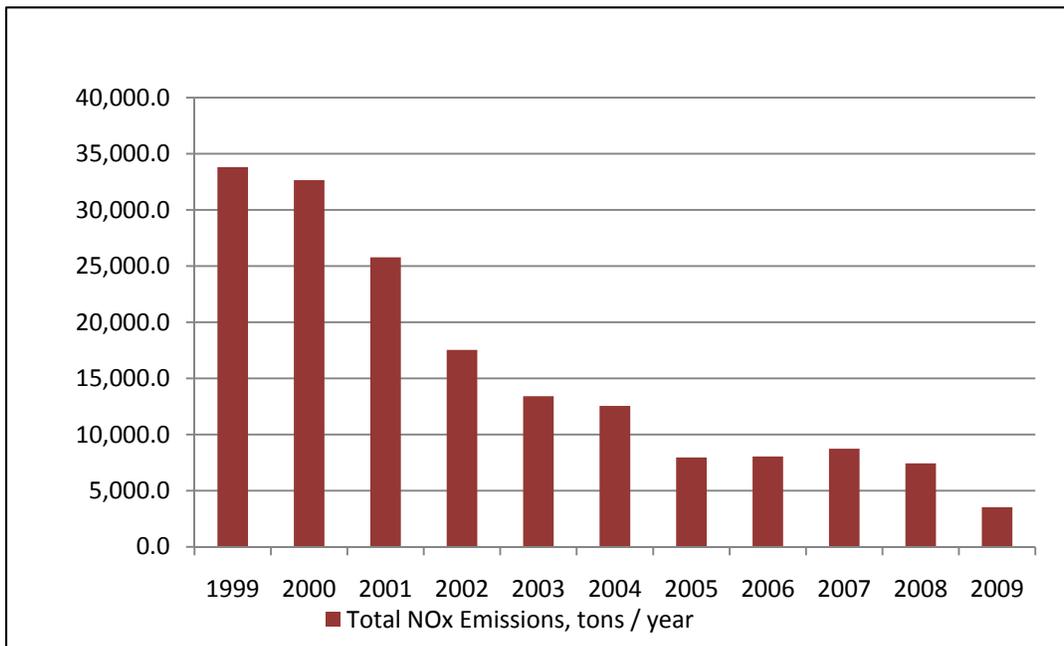
**Nitrogen Oxides (NO_x) and Sulfur Dioxide (SO₂)
Emissions from Electric Generating Units,
Lawrenceburg Township, Dearborn County,
Indiana and Entire Cincinnati-Hamilton, OH-KY-
IN Nonattainment Area**

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Lawrenceburg Township, Dearborn County, Indiana NO_x Emissions from EGUs

Year	Total NO _x Emissions, tons/year
1999	33,807.1
2000	32,657.1
2001	25,774.7
2002	17,533.8
2003	13,416.7
2004	12,552.8
2005	7,961.3
2006	8,041.6
2007	8,739.2
2008	7,429.2
2009	3,529.3

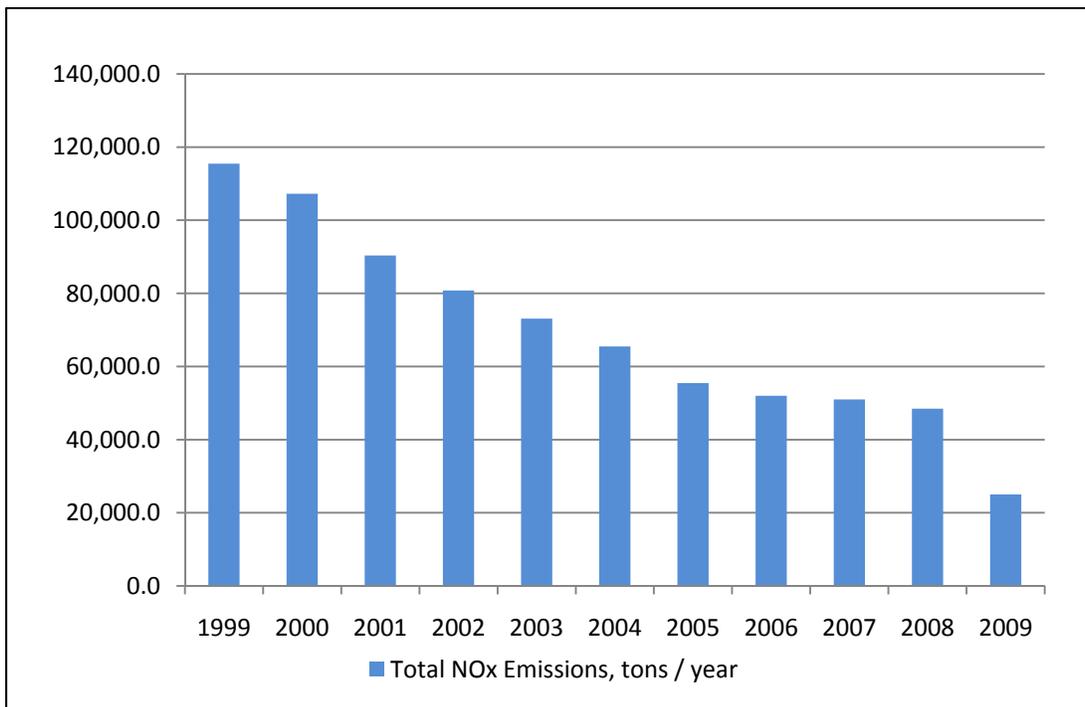
Lawrenceburg Township, Dearborn County, Indiana NO_x Emissions from EGUs



Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x Emissions from EGUs

Year	Total NO _x Emissions, tons/year
1999	115,477.8
2000	107,227.9
2001	90,347.2
2002	80,808.6
2003	73,084.4
2004	65,491.6
2005	55,492.4
2006	52,004.5
2007	50,979.6
2008	48,464.0
2009	24,997.8

Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x Emissions from EGUs



**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 1999**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	33,807.1
Kentucky	East Bend	10,113.8
Ohio	Miami Fort Generating Station	26,429.1
Ohio	William H Zimmer Generating Station	22,792.3
Ohio	Walter C Beckjord Generating Station	22,091.4
Ohio	Woodsdale	244.1
Total		115,477.8

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2000**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	32,657.1
Kentucky	East Bend	8,671.0
Ohio	Madison Generating Station	15.1
Ohio	Miami Fort Generating Station	25,518.8
Ohio	William H Zimmer Generating Station	18,682.3
Ohio	Walter C Beckjord Generating Station	21,408.7
Ohio	Woodsdale	274.9
Total		107,227.9

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2001**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	25,774.7
Kentucky	East Bend	8,161.5
Ohio	Madison Generating Station	32.0
Ohio	Miami Fort Generating Station	18,598.8
Ohio	William H Zimmer Generating Station	20,886.3
Ohio	Walter C Beckjord Generating Station	16,743.0
Ohio	Woodsdale	150.9
Total		90,347.2

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2002**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	17,533.8
Kentucky	East Bend	5,454.9
Ohio	Madison Generating Station	48.7
Ohio	Miami Fort Generating Station	17,941.5
Ohio	William H Zimmer Generating Station	20,965.6
Ohio	Walter C Beckjord Generating Station	18,736.8
Ohio	Woodsdale	127.3
Total		80,808.6

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2003**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	13,416.7
Kentucky	East Bend	7,056.0
Ohio	Madison Generating Station	51.7
Ohio	Miami Fort Generating Station	15,593.7
Ohio	William H Zimmer Generating Station	20,174.0
Ohio	Walter C Beckjord Generating Station	16,727.9
Ohio	Woodsdale	64.4
Total		73,084.4

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2004**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	12,552.8
Kentucky	East Bend	6,187.2
Ohio	Madison Generating Station	14.0
Ohio	Miami Fort Generating Station	17,102.2
Ohio	William H Zimmer Generating Station	14,692.7
Ohio	Walter C Beckjord Generating Station	14,914.2
Ohio	Woodsdale	28.5
Total		65,491.6

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2005**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	7,961.3
Kentucky	East Bend	3,952.2
Ohio	Madison Generating Station	91.5
Ohio	Miami Fort Generating Station	15,264.6
Ohio	William H Zimmer Generating Station	15,153.0
Ohio	Walter C Beckjord Generating Station	13,012.8
Ohio	Woodsdale	57.0
Total		55,492.4

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2006**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	8,041.6
Kentucky	East Bend	5,399.7
Ohio	Madison Generating Station	38.4
Ohio	Miami Fort Generating Station	12,797.9
Ohio	William H Zimmer Generating Station	13,851.3
Ohio	Walter C Beckjord Generating Station	11,830.2
Ohio	Woodsdale	45.4
Total		52,004.5

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2007**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	8,739.2
Kentucky	East Bend	5,563.0
Ohio	Madison Generating Station	44.3
Ohio	Miami Fort Generating Station	9,754.6
Ohio	William H Zimmer Generating Station	13,736.6
Ohio	Walter C Beckjord Generating Station	13,031.8
Ohio	Woodsdale	110.1
Total		50,979.6

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2008**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	7,429.2
Kentucky	East Bend	4,492.4
Ohio	Madison Generating Station	16.1
Ohio	Miami Fort Generating Station	12,371.7
Ohio	William H Zimmer Generating Station	16,531.1
Ohio	Walter C Beckjord Generating Station	7,549.0
Ohio	Woodsdale	74.5
Total		48,464.0

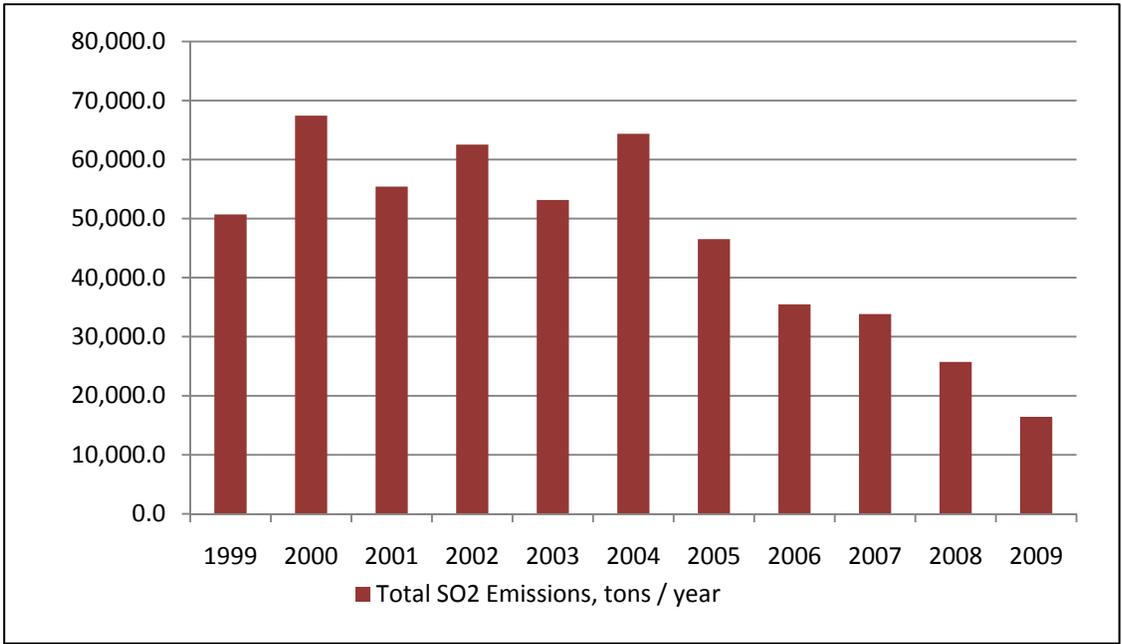
**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area NO_x
Emissions from EGUs, 2009**

State	Facility	NO _x Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	3,529.3
Kentucky	East Bend	2,436.2
Ohio	Madison Generating Station	25.6
Ohio	Miami Fort Generating Station	4,337.8
Ohio	William H Zimmer Generating Station	3,646.4
Ohio	Walter C Beckjord Generating Station	10,948.2
Ohio	Woodsdale	74.3
Total		24,997.8

Lawrenceburg Township, Dearborn County, Indiana SO₂ Emissions from EGUs

Year	Total SO₂ Emissions, tons/year
1999	50,715.7
2000	67,446.1
2001	55,430.6
2002	62,531.7
2003	53,175.0
2004	64,387.3
2005	46,533.7
2006	35,494.2
2007	33,828.9
2008	25,729.1
2009	16,442.3

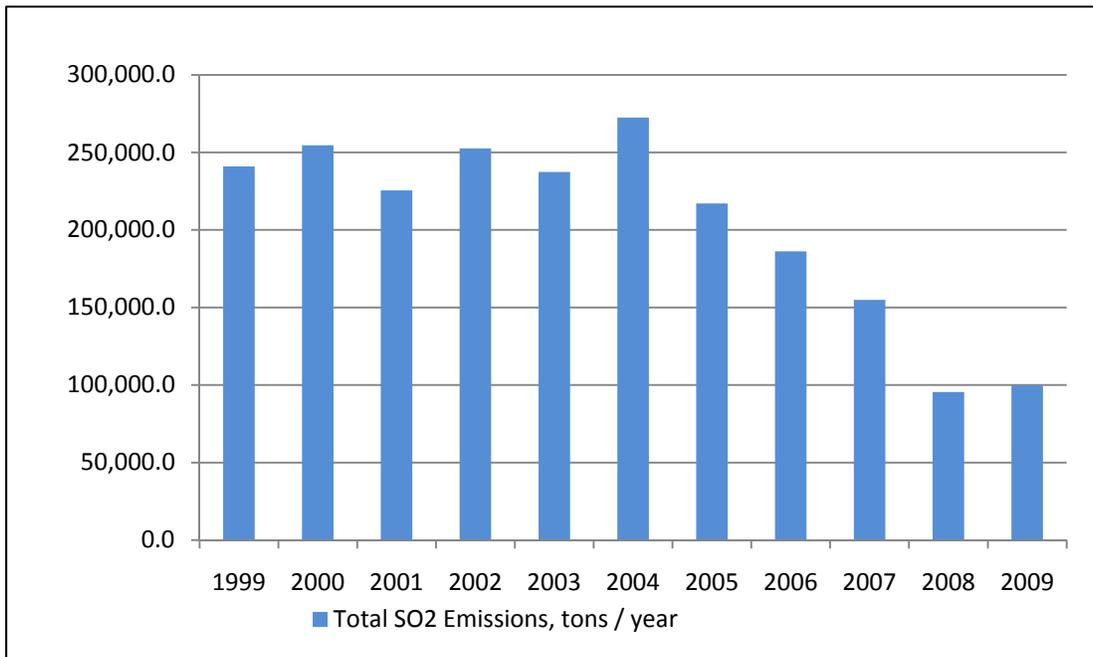
Lawrenceburg Township, Dearborn County, Indiana SO₂ Emissions from EGUs



Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs

Year	Total SO₂ Emissions, tons/year
1999	240,983.6
2000	254,655.4
2001	225,526.3
2002	252,572.9
2003	237,439.2
2004	272,465.6
2005	217,111.1
2006	186,150.3
2007	154,905.1
2008	95,498.4
2009	99,757.0

Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs



Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs, 1999

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)-Tanners Creek Generating Station	50,715.7
Kentucky	East Bend	18,095.8
Ohio	Miami Fort Generating Station	78,086.2
Ohio	William H Zimmer Generating Station	25,482.4
Ohio	Walter C Beckjord Generating Station	68,601.7
Ohio	Woodsdale	1.8
Total		240,983.6

Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs, 2000

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)-Tanners Creek Generating Station	67,446.1
Kentucky	East Bend	14,850.4
Ohio	Madison Generating Station	0.2
Ohio	Miami Fort Generating Station	81,512.4
Ohio	William H Zimmer Generating Station	19,410.6
Ohio	Walter C Beckjord Generating Station	71,433.5
Ohio	Woodsdale	2.2
Total		254,655.4

Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs, 2001

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)-Tanners Creek Generating Station	55,430.6
Kentucky	East Bend	13,106.5
Ohio	Madison Generating Station	0.6
Ohio	Miami Fort Generating Station	73,538.9
Ohio	William H Zimmer Generating Station	21,651.5
Ohio	Walter C Beckjord Generating Station	61,797.4
Ohio	Woodsdale	0.8
Total		225,526.3

Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs, 2002

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)-Tanners Creek Generating Station	62,531.7
Kentucky	East Bend	12,918.1
Ohio	Madison Generating Station	0.7
Ohio	Miami Fort Generating Station	85,699.4
Ohio	William H Zimmer Generating Station	21,491.8
Ohio	Walter C Beckjord Generating Station	69,930.6
Ohio	Woodsdale	0.6
Total		252,572.9

Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs, 2003

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)-Tanners Creek Generating Station	53,175.0
Kentucky	East Bend	14,959.8
Ohio	Madison Generating Station	0.2
Ohio	Miami Fort Generating Station	81,514.6
Ohio	William H Zimmer Generating Station	22,917.9
Ohio	Walter C Beckjord Generating Station	64,871.3
Ohio	Woodsdale	0.4
Total		237,439.2

Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂ Emissions from EGUs, 2004

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)-Tanners Creek Generating Station	64,387.3
Kentucky	East Bend	11,545.5
Ohio	Madison Generating Station	0.2
Ohio	Miami Fort Generating Station	100,576.7
Ohio	William H Zimmer Generating Station	21,638.3
Ohio	Walter C Beckjord Generating Station	74,317.5
Ohio	Woodsdale	0.1
Total		272,465.6

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂
Emissions from EGUs, 2005**

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	46,533.7
Kentucky	East Bend	3,666.7
Ohio	Madison Generating Station	1.6
Ohio	Miami Fort Generating Station	77,583.2
Ohio	William H Zimmer Generating Station	22,379.5
Ohio	Walter C Beckjord Generating Station	66,946.1
Ohio	Woodsdale	0.3
Total		217,111.1

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂
Emissions from EGUs, 2006**

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	35,494.2
Kentucky	East Bend	3,946.5
Ohio	Madison Generating Station	0.7
Ohio	Miami Fort Generating Station	62,028.0
Ohio	William H Zimmer Generating Station	22,054.1
Ohio	Walter C Beckjord Generating Station	62,626.6
Ohio	Woodsdale	0.2
Total		186,150.3

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂
Emissions from EGUs, 2007**

State	Facility	SO ₂ Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	33,828.9
Kentucky	East Bend	2,451.8
Ohio	Madison Generating Station	0.8
Ohio	Miami Fort Generating Station	46,938.9
Ohio	William H Zimmer Generating Station	16,776.4
Ohio	Walter C Beckjord Generating Station	54,907.7
Ohio	Woodsdale	0.6
Total		154,905.1

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂
Emissions from EGUs, 2008**

State	Facility	SO₂ Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	25,729.1
Kentucky	East Bend	2,713.4
Ohio	Madison Generating Station	0.2
Ohio	Miami Fort Generating Station	24,693.2
Ohio	William H Zimmer Generating Station	15,961.6
Ohio	Walter C Beckjord Generating Station	26,400.5
Ohio	Woodsdale	0.4
Total		95,498.4

**Entire Cincinnati-Hamilton OH-KY-IN Nonattainment Area SO₂
Emissions from EGUs, 2009**

State	Facility	SO₂ Emissions, tons/year
Indiana	American Electric Power (AEP)- Tanners Creek Generating Station	16,442.3
Kentucky	East Bend	1,724.6
Ohio	Madison Generating Station	0.4
Ohio	Miami Fort Generating Station	25,339.9
Ohio	William H Zimmer Generating Station	14,284.9
Ohio	Walter C Beckjord Generating Station	41,964.5
Ohio	Woodsdale	0.4
Total		99,757.0