The State of New Jersey
Department of Environmental Protection

State Implementation Plan (SIP) Revision for the Attainment and Maintenance of the Ozone and Carbon Monoxide National Ambient Air Quality Standards

Proposal

Meeting the Requirements of the Regional NO_x Cap Program and Transportation Conformity Budgets Related to the Attainment of the Ozone and Carbon Monoxide National Ambient Air Quality Standards

Appendix IV

File Structures for the USEPA emission spreadsheets for the five emission sectors, egu, non-egu, area, non-road, and mobile.

September 28, 1999

Files were obtained by expanding Nj.zip, a 907,162 byte file prepared by the USEPA, which was downloaded from ftp:/ftp.epa.gov/pub/scram001/modelingcenter/NOx_SIPcall/budget/May. There are five files, representing the egu, non-egu, area, non-road, and mobile sectors. They are NJ_ut.xls, NJ_pt.xls, NJ_ar.xls, NJ_nr.xls, and NJ_mb.xls. Each can be accessed at the web site: **www.state.nj.us/dep/aqm/noxsip.htm.**

The assumptions, data sources, and methodology used by the USEPA to develop these files are presented in the document "Development of Emission Budget Inventories for Regional Transport NO_x SIP Call", which exists in electronic form as emis_tsd.pdf. This file can also be downloaded from ftp:/ftp.epa.gov/pub/scram001/modelingcenter/NOx_SIPcall/budget/May.

Structures for NJ_ut.xls, NJ_pt.xls, NJ_ar.xls, NJ_nr.xls, and NJ_mb.xls. are presented below.

1. Source Specific EGU Budget Emissions File

Filename: NJ_ut.xls
Description: Regional NOx SIP Call Budget Determination EGU Point Source File

Variable	Type	Length	Decimal	Description
ST	C	2	0	State Abbreviation
PLANT	C	45	0	Plant Name
PLANT_ID	C	15	0	Plant ID Code
POINT_ID	C	15	0	Point ID Code
FIPS_CNTY	C	3	0	FIPS County Code
NAMEPL_CAP	N	8	2	Capacity (MW) of Largest Generator the Unit Serves
FSIP_HEAT_INP	N	15	4	Final Heat Input (mmBtu) Used to Calculate Budget (Based on Year to Use)
F95_HEAT_INP	N	15	4	1995 Ozone Season Heat Input (mmBtu)
F96_HEAT_INP	N	15	4	1996 Ozone Season Heat Input (mmBtu)
FSIPNOX_RT	N	8	4	NOx Rate Used to Calculate Budget
FSIPHEAT_YR	N	4	0	Year to Use for Heat Input to Calculate Individual State Budget
F95_NOX_RT	N	8	4	1995 NOx Emission Rate (lbs/mmBtu)
F96_NOX_RT	N	8	4	1996 NOx Emission Rate (lbs/mmBtu)
NOX_MASS	N	15	4	2007 Ozone Season Budget NOx Emissions (pounds)

2. Source Specific Non-EGU Point Source Base and Budget Emissions File

Filename: NJ_pt.xls
Description: Regional NOx SIP Call Non-EGU Point Source File

Variable	Type	Length	Decimal		Description
FIPSST	C	2	0		FIPS State Code
FIPSCNTY	C	3	0		FIPS County Code
PLANTID	C	15	0		Plant ID Code
PLANT	C	40	0		Plant Name
SIC	N	4	0		Standard Industrial Classification Code
POINTID	C	15	0		Point ID Code
STACKID	C	15	0		Stack ID Code
SEGMENT	C	15	0		Segment ID
SCC	C	10	0		Source Classification Code
POD	C	3	0		Source Category Association
SIZE	C	1	0		Budget Size
BOILCAP	N	8	0		Boiler Design Capacity (MMBtu/hr)
STKHGT	N	4	0		Stack Height (ft)
STKDIAM	N	6	2		Stack Diameter (ft)
STKTEMP	N	4	0		Stack Temperature (degrees F)
STKFLOW	N	10	2		Stack Flow (cu. ft./min)
STKVEL	N	9	2		Stack Velocity (ft/sec)
WINTHRU	N	3	0		Winter Throughput Percentage
SPRTHRU	N	3	0		Spring Throughput Percentage
SUMTHRU	N	3	0		Summer Throughput Percentage
FALTHRU	N	3	0		Fall Throughput Percentage
HOURS	N	2	0		Operating Hours/Day
DAYS	N	1	0		Operating Days/Weeks
WEEKS	N	2	0		Operating Weeks/Year
LATC	N	9	4		Latitude (degrees)
LONC	N	9	4		Longitiude (degrees)
NOXCE95	N	5	2		1995 NOx Control Efficiency
NOXRE95	N	5	2		1995 NOx Rule Effectiveness
DNOX95	N	16	4		1995 Typical Ozone Season Daily NOx Emissions (tons)
SNOX95	N	16	4		1995 Ozone Season NOx Emissions (tons)
GF9507		N	7	2	1995 - 2007 Growth Factor
NOXCE07	N	5	2		2007 Base NOx Control Efficiency
NOXRE07	N	5	2		2007 NOx Rule Effectiveness
DNOX07	N	16	4		2007 Typical Ozone Season Daily NOx Emissions (tons)
SNOX07	N	16	4		2007 Ozone Season Base NOx Emissions (tons)
NOXCE07B	N	5	2		2007 Budget NOx Control Efficiency
DBNOX	N	16	4		2007 Typical Ozone Season Daily Budget NOx Emissions (tons)
SBNOX	N	16	4		2007 Ozone Season Budget NOx Emissions (tons)

3. County Level Stationary Area Base and Budget Emissions File

Filename: NJ_ar.xls
Description: Regional NOx SIP Call Stationary Area Source File

Variable	Type	Length	Decimal	Description
FIPSST	C	2	0	FIPS State Code
FIPSCNTY	C	3	0	FIPS County Code
SCC	C	10	0	Source Classification Code
DNOX95	N	10	4	1995 Typical Ozone Season Daily NOx Emissions (tons)
SNOX95	N	10	4	1995 Ozone Season NOx Emissions (tons)
GF9507	N	7	2	1995 - 2007 Growth Factor
NOXCE07	N	5	2	2007 Base NOx Control Efficiency
NOXCRE07	N	5	2	2007 NOx Rule Effectiveness
NOXRP07	N	5	2	2007 NOx Rule Penetration
PUGR	N	7	3	2007 Process Units Growth Rate
DNOX07	N	10	4	2007 Typical Ozone Season Daily NOx Emissions (tons)
SNOX07	N	10	4	2007 Ozone Season NOx Emissions (tons)

4. County Level Non-road Mobile Base and Budget Emissions File

Filename: NJ_nr.xls
Description: Regional NOx SIP Call Nonroad Mobile Source File

Variable	Type	Length	Decimal	Description
FIPSST C	2	0		FIPS State Code
FIPSCNTY	C	3	0	FIPS County Code
SCC	C	10	0	Source Classification Code
DNOX95	N	10	4	1995 Typical Ozone Season Daily NOx Emissions (tons)
SNOX95	N	10	4	1995 Ozone Season NOx Emissions (tons)
GF9507	N	7	2	1995 - 2007 Growth Factor
NOXCE07	N	5	2	2007 Base NOx Control Efficiency
NOXCRE07	N	5	2	2007 NOx Rule Effectiveness
NOXRP07	N	5	2	2007 NOx Rule Penetration
PUGR	N	7	3	2007 Process Units Growth Rate
DNOX07	N	10	4	2007 Typical Ozone Season Daily NOx Emissions (tons)
SNOX07	N	10	4	2007 Ozone Season NOx Emissions (tons)

5. County Level Highway Vehicle Base and Budget Emissions File

Filename: NJ_mb.xls
Description: Regional NOx SIP Call Highway Vehicle File

Variable	Type	Length	Decimal	Description
FIPSST C	2	0		FIPS State Code
FIPSCNTY	C	3	0	FIPS County Code
SCC	C	10	0	Source Classification Code
V_TYPE	C	5	0	Vehicle Type
VOC07_SEAS	N	13	6	2007 Ozone Season VOC Emissions (tons)
NOX07_SEAS	N	13	6	2007 Ozone Season NOx Emissions (tons)
CO07_SEAS	N	13	6	2007 Ozone Season CO Emissions (tons)
VOC07MAY	N	13	6	2007 May VOC Emissions (tons)
VOC07JUN	N	13	6	2007 June VOC Emissions (tons)
VOC07JUL	N	13	6	2007 July VOC Emissions (tons)
VOC07AUG	N	13	6	2007 August VOC Emissions (tons)
VOC07SEP	N	13	6	2007 September VOC Emissions (tons)
NOX07MAY	N	13	6	2007 May NOx Emissions (tons)
NOX07JUN	N	13	6	2007 June NOx Emissions (tons)
NOX07JUL	N	13	6	2007 July NOx Emissions (tons)
NOX07AUG	N	13	6	2007 August NOx Emissions (tons)
NOX07SEP	N	13	6	2007 September NOx Emissions (tons)
CO07MAY	N	13	6	2007 May CO Emissions (tons)
CO07JUN	N	13	6	2007 June CO Emissions (tons)
CO07JUL	N	13	6	2007 July CO Emissions (tons)
CO07AUG	N	13	6	2007 August CO Emissions (tons)
CO07SEP	N	13	6	2007 September CO Emissions (tons)
VMT07MAY	N	16	3	2007 May VMT
VMT07JUN	N	16	3	2007 June VMT
VMT07JUL	N	16	3	2007 July VMT
VMT07AUG	N	16	3	2007 August VMT
VMT07SEP	N	16	3	2007 September VMT
VMT07_SEAS	N	16	3	2007 Ozone Season VMT