

State of California
AIR RESOURCES BOARD

Resolution 78-48

August 7, 1978

WHEREAS, the Southern California Edison Company (SCE) and the Los Angeles Department of Water and Power (LADWP) have petitioned the Board pursuant to Health and Safety Code Section 40451 to review Rule 475.1 of the South Coast Air Quality Management District (SCAQMD) pertaining to control of oxides of nitrogen (NOx) from power plants in the SCAQMD for consistency with the purposes of Division 26 of the Health and Safety Code (pertaining to control of air pollution); and

WHEREAS, the Board is authorized pursuant to Health and Safety Code Sections 40001 and 41500 to review the rules and regulations of the Air Pollution Control Districts, including rules 475.1 and 475 (also pertaining to the control of NOx from power plants in the SCAQMD) to assure that they make reasonable provision to achieve and maintain the state ambient air quality standards; and

WHEREAS, the Board is authorized, pursuant to Health and Safety Code Sections 40451 and 41504, after holding a public hearing, to inter alia revise the rules and regulations of the SCAQMD to implement and effectuate the purposes of Division 26 and to assume that they make reasonable provisions to achieve and maintain the state ambient air quality standards; and

WHEREAS, the Board has held the public hearings required by Health and Safety Code Sections 40451 and 41502, and has considered the record before the SCAQMD Board pertaining to Rule 475.1, together with the evidence and testimony presented at the public hearings by SCE, LADWP, the Board's staff and other interested persons pertaining to Rules 475.1 and 475; and

WHEREAS, the Board finds that Rule 475.1 is not consistent with the purposes of Division 26 for the following reasons:

1. Health and Safety Code Section 40440 requires the SCAQMD to adopt rules and regulations, By December 31, 1977, which reflect best available technological and administrative practices. The technology to achieve compliance with Rule 475.1 is available, provided there is adequate time provided for its application to power plants in the SCAQMD. Rule 475.1 exceeds the limits of available control technology in that it requires SCE, LADWP and other power plant owners and operators in the SCAQMD to redesign all permit units for 90% NOx reductions in an inadequate period of time and therefore imposes an unreasonable engineering burden on the subject power plant owners and operators. Health and Safety Code Section 40001 requires all SCAQMD rules and regulations to make reasonable provision to achieve and maintain the state ambient air quality standards.

2. Rule 475.1 does not require the installation of any additional NOx controls on SCAQMD power plants prior to January 1, 1987. Such controls are available and can be installed at the present time. Therefore, Rule 475.1 does not require the best available technological and administrative practices.
3. Rule 475.1 does not require the dispatch of the units of the systems in the SCAQMD so as to achieve the least possible NOx emissions (NOx dispatch). NOx dispatch is currently practiced and available. Therefore, Rule 475.1 does not require the best available technological and administrative practices.
4. Rule 475.1 does not exclude existing gas turbines, including existing combined cycle units. It has not yet been demonstrated that technology can be made available by which existing gas turbines may comply with the emission reductions required by the rule. Rule 475.1 therefore imposes an unreasonable burden on the subject power plant owners and operators.
5. Rule 475.1 requires substantial expenditures of resources and capital for redesign of all permit units prior to the award of the construction contract for and the completion of the demonstration unit. This schedule imposes an unreasonable financial and engineering burden on the subject power plant owners and operators.

WHEREAS, Rule 475 does not make reasonable provision to achieve and maintain the state ambient air quality standards in that it does not require application of the best available control technology for new power plants, as required by Rule 213 of the SCAQMD and the Clean Air Act, as amended; and

WHEREAS, the level of oxides of nitrogen emissions reduction required by Rule 475.1 is necessary to further attain and maintain the ambient air quality standards for nitrogen dioxide, total suspended particulate matter, and visibility; and

WHEREAS, the level of oxides of nitrogen emissions reduction required by Rule 475.1 is also likely to result in a net air quality benefit by causing reductions in peak ambient oxidant levels in the SCAQMD; and

WHEREAS, it has been demonstrated that that emissions from sources in Ventura County are frequently transported to the SCAQMD, where they contribute to violations of the state ambient air quality standards;

NOW, THEREFORE, BE IT RESOLVED, that the Board amends Rule 475.1 of the SCAQMD to read as set forth in Attachment A hereto;

BE IT FURTHER RESOLVED, that the Board amends Rule 475 of the SCAQMD by deleting paragraphs (a)(1), (a)(2), and (d) thereof;

BE IT FURTHER RESOLVED, that the Executive Officer shall notice a public hearing to further consider the relationship between oxides of nitrogen emissions and ambient oxidant levels when, in the Executive Officer's judgment, significant additional air quality modeling results are available;

BE IT FURTHER RESOLVED, that the Executive Officer is delegated the authority to make clarifying language changes to Rules 475 and 475.1, and substantive and clarifying changes to such rules with respect to the amount of reduction required by and the compliance schedule for Stage I, based upon the Executive Officer's evaluation of written evidence submitted by the petitioners within the next 30 days, but in no event shall the reduction required be less than 50 percent and in no event shall the final compliance date for Stage I be later than December 31, 1982;

BE IT FURTHER RESOLVED, that the Board delegates to the Executive Officer, consistent with the previous paragraph, authority to approve a model rule for consideration by the Ventura Air Pollution Control District; and

BE IT FURTHER RESOLVED, that the Board delegates to the Executive Officer the responsibility for reviewing and responding to all significant environmental issues raised in connection with this matter, pursuant to Sections 60006 and 60007 of the Board's regulations in Title 17, California Administrative Code, and for making any further amendments to Rules 475.1 and 475 consistent therewith, after which Rules 475.1 and 475, as amended, shall become effective.

State of California
AIR RESOURCES BOARD

South Coast Air Quality Management District Rule 475.1
As Amended by the Air Resources Board
On August 7, 1978

Part I. DEFINITIONS

- (a) Electric Power Generating System means one or more electric power generating units which have a common owner or operator, and which are located in the South Coast Air Basin and/or the Ventura County Air Pollution Control District.
- (b) Electric Power Generating Unit means any fuel burning device used to produce electrical energy for sale or exchange.
- (c) New Electric Power Generating Unit means any electric power generating unit construction of which is commenced on or after the effective date of this Rule.
- (d) Existing Unit or System means any electric power generating unit or system construction of which has been commenced prior to the effective date of this Rule.

- (e) Rate of Oxides of Nitrogen Emissions means the mass, in kilograms or in pounds, of oxides of nitrogen, expressed as nitrogen dioxide, emitted per hour.
- (f) Oxides of Nitrogen Emissions Dispatch means the allocation of electric power demand to the various electric power generating units in any electric power generating system to minimize the rate of oxides of nitrogen emissions from the system.
- (g) Operating Range means all possible rates of electric power generation, expressed in net megawatts, for any electric power generating system or unit.
- (h) BEST AVAILABLE CONTROL TECHNOLOGY means best available control technology as defined in Rule 213.2.

Part II. SYSTEM-WIDE CONTROL

- (a) Subject to the compliance schedules set forth in Section (f) of this Part, no owner or operator of an existing power generating system shall operate that portion of the system which is located in the South Coast Air Basin unless the system is designed such that when all electric power generating units are available, excluding existing combined cycle generating units, the system-wide rate of oxides of nitrogen emissions throughout the operating range of the system will not exceed the applicable maximum allowable rates contained in Part III of this Rule.

- (b) Effective January 1, 1982, the owner or operator of any electric power generating system having a net electric power generating capacity equal to or greater than 500 megawatts, shall reduce by at least 90 percent the rate of oxides of nitrogen emissions, as determined from the data submitted pursuant to Section (f)(2)(A)(ii) of this Part of this Rule, throughout the operating range of at least one unit with a maximum net generating capacity greater than or equal to 100 megawatts within the South Coast Air Basin part of the system. Any such unit shall be termed a Demonstration unit.
- (c) Effective 30 days following the approval by the Executive Officer of an oxides of nitrogen emissions dispatch plan, no owner or operator of an existing electric power generating system shall operate the South Coast Air Basin part of the system except in accordance with an approved oxides of nitrogen emissions dispatch plan.

- (d) No owner or operator of an electric power generating system shall operate an electric power generating unit in the South Coast Air Basin part of the system unless each unit in the South Coast Air Basin part of the system which use ammonia to comply with this Part of this Rule, is equipped with instruments to continuously monitor and record the concentration of ammonia in the flue gas. The Executive Officer shall determine the acceptability of any instrument used to comply with this Section prior to its installation. Ammonia concentrations shall be monitored and recorded when ammonia is being introduced into a unit's combustion gases. The recorded data shall be retained by the owner or operator of the electric power generating system for a period of at least two years from the date of recording and shall be available for inspection and/or reproduction upon request of the Executive Officer or the Executive Officer of the Air Resources Board, or their authorized representatives.
- (e) No owner or operator of an electric power generating system which was in existence prior to January 1, 1978, shall add any new electric power generating units to the South Coast Air Basin part of the system unless at least all of the following conditions are met:

- (1) Best available control technology, as determined by the Executive Officer, after consultation with the Executive Officer of the Air Resources Board, is employed on the new unit;
- (2) The rate of oxides of nitrogen emissions throughout the electric power generating system's operating range with the new unit(s) added, assuming that all electric power generating units are available and excluding existing combined cycle units, does not exceed the applicable maximum allowable rate of emissions contained in Part III of this Rule when the electric power generating system with the new unit(s) added, is operated according to an oxides of nitrogen emissions dispatch plan.
- (3) Assuming compliance with an oxides of nitrogen emissions dispatch plan, the integral of the rate of oxides of nitrogen emissions with respect to electric power generating system net load in

megawatts, assuming all electric power generating units are available, excluding existing combined cycle units, as indicated by the applicable maximum allowable emission rates contained in Part III of this Rule with the addition of any new unit(s) to the South Coast Air Basin part of the system is less than or equal to the corresponding integral without the addition of the new unit(s); and

(4) The requirements of Rule 213 are satisfied.

(f) Compliance Schedule

- (1) The owner or operator of any new electric power generating unit(s) in the South Coast Air Basin part of the system shall demonstrate compliance with the applicable requirements of this Part of this rule prior to placing such new units into service.
- (2) The owner or operator of an existing electric power generating system shall comply with the requirements of Section (b) of this Part of this Rule as expeditiously as practicable but not later than January 1, 1982, and shall fulfill the following:
 - (A) Prior to April 1, 1979. Submit to the Executive Officer, with a copy to the Executive Officer of the Air Resources Board:
 - (i) A final control plan which identifies the unit

selected to be the demonstration unit and which describes, as a minimum, the steps, including a construction schedule, that will be taken to comply with the requirements of Section (b) of this Part of this Rule. The schedule must show completion of the construction and equipment installation phases of the plan prior to July 1, 1981 and compliance with Section (b) of this Part of this Rule by January 1, 1982; and,

(ii) Data showing the rate of oxides of nitrogen emissions at ten or more equally spaced points throughout the operating range of the electric power generating unit(s) to be controlled, when the unit(s) are burning fuel oil.

(B) Prior to July 1, 1979. Sign initial contracts for the construction and installation of equipment to effect the emissions reductions required by Section (b) of this Part of this Rule and issue orders for the purchase of component parts to accomplish such reductions. Such contracts and orders shall be submitted to the Executive Officer, with a copy to the Executive Officer of the Air Resources Board.

(C) Prior to July 1, 1981. Complete construction and installation of emissions control equipment and component parts to accomplish the emissions reductions as indicated on the construction schedule submitted with the final control plan.

(D) By January 1, 1982. Demonstrate compliance with Section (b) of this Part of this Rule and submit to the Executive Officer, with a copy to the Executive Officer of the Air Resources Board, data showing the rate of oxides of nitrogen emissions from the controlled unit(s) at ten or more equally spaced points throughout the operating range of the unit(s).

(3) Except as required by Section (f)(2) and (f)(4) of this Part of this Rule, the owner or operator of an existing electric power generating system shall comply with the provisions of this Part of this Rule as expeditiously as practicable but in no event later than October 1, 1982, and shall fulfill the following:

(A) Prior to April 1, 1979. Submit to the Executive Officer with a copy to the Executive Officer of the Air Resources Board:

- (i) A final control plan which describes, as a minimum, the steps including a construction schedule, that will be taken at each electric power generating unit in the South Coast Air Basin part of this system to comply with the requirements of this Part of this Rule. The schedule must show completion of the construction and equipment installation phases of the plan to achieve the Stage I allowable emission rates contained in Part III of this Rule prior to April 1, 1982 and compliance with this Part of this Rule by October 1, 1982.
- (ii) Data which are representative of the 1978 calendar year rate of oxides of nitrogen emissions at ten or more equally spaced points through the operating range of each electric power generating unit in the South Coast Air Basin part of the system;

(iii) An oxides of nitrogen emissions dispatch plan, for the South Coast Air Basin part of the electric power generating system, which will minimize the rate of oxides of nitrogen emissions throughout the electric power generating system's operating range. The demonstration required above shall include as a minimum: 1) the selection criteria used to determine the availability of units for a given day; 2) data showing the rate of oxides of nitrogen emissions throughout the electric power generating system's operating range assuming that all units are available; 3) any computer programs used to develop or implement the dispatch plan; and 4) the criteria used to schedule unit maintenance that would cause a unit to be unavailable. If the Executive Officer determines that the submitted dispatch plan is unacceptable, the owner or operator of the affected electric power generating system shall, after April 1, 1979, be in violation of this Rule until an acceptable plan is submitted;

- (B) Prior to July 1, 1979. Sign initial contracts for the construction and installation of equipment to effect the emissions reductions required by this Part of this Rule to achieve the Stage I maximum allowable emission rates contained in Part III of this Rule and issue orders for the purchase of component parts to accomplish such reductions.
- (C) Prior to April 1, 1982. Complete construction and installation of emissions control equipment and component parts to accomplish emissions reductions to achieve the Stage I maximum allowable emission rates contained in Part III of this Rule as indicated on the construction schedule submitted with the final control plan.
- (D) By October 1, 1982. Demonstrate compliance with this Part of this Rule including achievement of Stage I maximum allowable emission rates contained in Part III of this Rule by submitting to the Executive Officer, with a copy to the Executive Officer of the Air Resources Board, data showing the rate of oxides of nitrogen emissions from each unit at ten or more equally spaced points throughout the operating range of the unit.

(4) Except as required by Sections (f)(2) and (f)(3) of this Part of this Rule, the owner or operator of an existing electric power generating system shall comply with the provisions of this Part of this Rule as expeditiously as practicable but in no event later than January 1, 1990, and shall fulfill the following:

(A) Prior to July 1, 1983. Submit to the Executive Officer with a copy to the Executive Officer of the Air Resources Board a final control plan which describes, as a minimum, the steps including a construction schedule, that will be taken at each electric power generating unit in the South Coast Air Basin part of this system to comply with the requirements of this Part of this Rule. The schedule must show completion of the construction and equipment installation phases of the plan to achieve the Stage II maximum allowable emission rates contained in Part III of this Rule prior to July 1, 1989 and compliance with this Part of this Rule by January 1, 1990;

(B) Prior to January 1, 1984. Sign initial contracts for the construction and installation of equipment to

effect the emissions reductions required by this Part of this Rule to achieve the Stage II maximum allowable emission rates contained in Part III of this Rule and issue orders for the purchase of component parts to accomplish such reductions.

(C) Prior to July 1, 1989. Complete construction and installation of emissions control equipment and component parts to accomplish emissions reductions to achieve the Stage II maximum allowable emission rates contained in Part III of this Rule as indicated on the construction schedule submitted with the final control plan.

(D) By January 1, 1990. Demonstrate compliance with this Part of this Rule including achievement of Stage II maximum allowable emission rates contained in Part III of this Rule by submitting to the Executive Officer, with a copy to the Executive Officer of the Air Resources Board, data showing the rate of oxides of nitrogen emissions from each unit at ten or more equally spaced points throughout the operating range of the unit.

- (g) Any oxides of nitrogen emissions data required by this Part of this Rule shall be based on data obtained from source tests conducted on such units, at such times, and in a manner acceptable to the Executive Officer. Any additional information which is deemed necessary by the Executive Officer to ascertain the validity of any submitted data shall be furnished to the Executive Officer by the owner or operator of the affected unit(s) within 60 days of the Executive Officer's written request. If the Executive Officer determines that the rate of oxides of nitrogen emissions from any unit in the South Coast Air Basin part of the system is different from that shown in data submitted, then the Executive Officer, after notifying in writing the owner or operator of the affected unit(s) of the determination, shall substitute the data from his (her) determination for the data submitted.
- (h) If the Executive Officer determines that any final control plan required by this Part of this Rule will not result in compliance with this Part of this Rule as expeditiously as practicable, but in no event later than required by an applicable compliance schedule in Section (f) of this Part, or will not result in compliance with this Part of this Rule, the owner or operator of the affected electric power generating system shall be deemed in violation of this Rule until such time as an acceptable plan is submitted.

(i) The owner or operator of an electric power generating system shall be deemed in violation of this Rule if the Executive Officer determines that the rate of oxides of nitrogen emissions from any unit(s) in the South Coast Air Basin part of the system is greater than the rate at a given operating load as shown by the data submitted pursuant to Subsection (2)(D), (3)(D), and

(4)(D) of Section (f) of this Part of this Rule, subsequent to the compliance date specified in such section. For the purposes of making a determination on the rate of oxides of nitrogen emissions from a unit, the Executive Officer may employ data obtained by in-stack monitors, continuous source testing equipment, or any other equipment or tests which the Executive Officer determines are acceptable.

(j) For the purpose of determining compliance with Section (c) of this Part of this Rule, the owner or operator of an electric power generating system shall maintain daily records of the manner in which the electric power generating system was operated. The type of information to be recorded each day and the form in which it is to be reported shall be approvable by the Executive Officer. Such records will be maintained for a period of at least 2 years from the date of recording and shall be available for inspection and/or reproduction upon

request of the Executive Officer, or the Executive Officer of the Air Resources Board, or their authorized representatives.

If the Executive Officer, upon inspection of the information contained in these records or other relevant information, or the Executive Officer of the Air Resources Board, or their authorized representatives determines that the requirements of Section (c) of this Part of this Rule were violated by a unit in the South Coast Air Basin part of the system, the owner or operator of the affected electric power generating system shall be deemed in violation of this Rule.

- (k) The provisions of Section (a) and (b) of this Part of this Rule are not applicable to existing combined cycle gas turbine electric power generating units.
- (l) The provisions of this Part of this Rule are not applicable to simple cycle gas turbine electric power generating units.
- (m) Where it is necessary to determine the rate of oxides of nitrogen emissions at points in the operating range of a unit or system, not coincident with data submitted, the actual rate of oxides of nitrogen emissions shall be determined by linear interpolation.

- (n) Nothing in this Part of this Rule shall be construed to prevent the owners or operators of two or more electric power generating systems from entering into mutual written agreements which state that, for the purpose of this Part of this Rule, their systems will be considered as one. The "Maximum Allowable Emission Rate Table", which is included in Part III of this Rule and which is applicable to said owners or operators, shall be superseded and replaced by a new table of like form that reflects such agreement(s). Such revised table shall be derived by the Executive Officer after consultation with the Executive Officer of the Air Resources Board.
- (o) All oxides of nitrogen emission data and dispatch plans required by this Part of this Rule shall become a part of this Rule upon the approval of such data and plans by the Executive Officer.
- (p) The Executive Officer, prior to making a determination of the acceptability of any plans, data, or any other information required by this Part of this Rule, shall consult with the Air Pollution Control Officer of any other Air Pollution Control District which would be affected by this Part of this

Rule and with the Executive Officer of the Air Resources Board.

- (q) After it has been ascertained that the requirements of sections (f)(2) and (f)(3) of this Part have been met, the Executive Officer shall make a preliminary determination as to whether the Stage II maximum allowable rates of oxides of nitrogen emissions contained in Part III of this Rule are achievable through available control measures by systems subject to this Rule, which preliminary determination shall not become final until it is concurred with by the Air Resources Board. The preliminary and final determinations shall be based on evidence deemed appropriate by the Executive Officer and the Air Resources Board. In particular the following factors shall be considered:
- (1) The performance and cost effectiveness of any control technology including but not limited to the emission reductions achieved on the demonstration unit;
 - (2) The efforts taken by the owners or operators to effect compliance;
 - (3) The emissions of pollutants other than oxides of nitrogen.
- Only if, pursuant to this section, a final determination is made that such emission rates are not achievable through available control measures, according to the schedule set forth in Section (f)(4), each owner or operator subject to this Rule shall not be required to meet such rates. The failure of the owner or operator of any demonstration unit to design, construct and operate such unit in a good faith effort to achieve compliance with Sections (b) and (f)(2) of this Part, shall be deemed a violation of this Rule, commencing with the effective date of this Rule.

- (r) Prior to the commencement of operation of a new or modified unit or system, the owner or operator of said unit or system shall submit to the Executive Officer for consideration and approval
- (1) Additional or replacement data showing the rate of oxides of nitrogen emissions at ten or more equally spaced points throughout the operating range of the new or modified unit(s);
and
 - (2) A revised oxides of nitrogen emissions dispatch plan incorporating the data submitted pursuant to (r)(1).
- (s) In no case shall a unit be modified to increase its rate of oxides of nitrogen emissions at any point in the unit's operating range.
- (t) The owners or operators of an electric power generating system which was not in existence prior to January 1, 1978, shall employ best available control technology on every unit in the South Coast Air Basin part of the system. The Executive Officer, after consultation with the Executive Officer of the Air Resources Board, shall determine what constitutes best available control technology.

PART III. MAXIMUM ALLOWABLE EMISSIONS RATE TABLES

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TABLE I For electric power generating systems having a total capacity greater than or equal to 5000 megawatts as of January 1, 1978.

TABLE II For electric power generating systems having a total generating capacity of less than 5000 megawatts and equal to or more than 500 megawatts as of January 1, 1978.

TABLE III For electric power generating systems having a total generating capacity of less than 500 megawatts as of January 1, 1978.

TABLE I
MAXIMUM ALLOWABLE RATE OF
EMISSIONS OF OXIDES OF NITROGEN ASSUMING THAT ALL ELECTRIC POWER
GENERATING UNITS IN THE SYSTEM ARE AVAILABLE, AS A FUNCTION OF SYSTEM LOAD
FOR ELECTRIC POWER GENERATING
SYSTEMS HAVING A TOTAL GENERATING
CAPACITY GREATER THAN OR EQUAL TO 5000 MEGAWATTS
AS OF JANUARY 1, 1978

SYSTEM LOAD IN MEGAWATTS	Stage I	Stage II
	MAXIMUM ALLOWABLE RATE OF OXIDES OF NITROGEN EMISSIONS POUNDS/HOUR, ON OR AFTER OCTOBER 1, 1982	MAXIMUM ALLOWABLE RATE OF OXIDES OF NITROGEN EMISSIONS POUNDS/HOUR, ON OR AFTER JANUARY 1, 1990
0	0	0
500	284	71
1000	608	152
1500	948	237
2000	1,308	327
2500	1,676	419
3000	2,060	515
3500	2,472	618
4000	2,869	724
4500	3,328	832
5000	3,768	942
5500	4,236	1059
6000	4,740	1185
6500	5,300	1325
7000	5,900	1475
7500	6,672	1668
8000	7,824	1956
8500	10,896	2724
9000 or Greater	15,948	3987

NOTE: To determine the maximum allowable emissions for system loads other than those shown, use linear interpolation between the two system loads that bracket the system load desired.

TABLE II
 MAXIMUM ALLOWABLE RATE OF
 EMISSIONS OF OXIDES OF NITROGEN ASSUMING THAT ALL ELECTRIC POWER
 GENERATING UNITS IN THE SYSTEM ARE AVAILABLE, AS A FUNCTION OF SYSTEM LOAD
 FOR ELECTRIC POWER GENERATING
 SYSTEMS HAVING A TOTAL GENERATING
 CAPACITY OF LESS THAN 5000 MEGAWATTS AND EQUAL TO OR

SYSTEM LOAD IN MEGAWATTS	Stage I	Stage II
	MAXIMUM ALLOWABLE RATE OF OXIDES OF NITROGEN EMISSIONS POUNDS/HOUR, ON OR AFTER OCTOBER 1, 1982	MAXIMUM ALLOWABLE RATE OF OXIDES OF NITROGEN EMISSIONS POUNDS/HOUR, ON OR AFTER JANUARY 1, 1990
0	0	0
200	124	31
400	272	68
600	432	108
800	592	148
1000	760	190
1200	936	234
1400	1,116	279
1600	1,316	329
1800	1,540	385
2000	1,784	446
2200	2,048	512
2400	2,368	592
2600	2,700	675
2800	3,048	762
3000	3,448	862
3200	3,920	980
3400 or Greater	4,580	1145

NOTE: To determine the maximum allowable emissions for system loads other than those shown, use linear interpolation between the two system loads that bracket the system load desired.

TABLE III

MAXIMUM ALLOWABLE RATE OF EMISSIONS OF OXIDES OF NITROGEN,
 ASSUMING THAT ALL ELECTRIC POWER GENERATING UNITS IN THE SYSTEM
 ARE AVAILABLE, AS A FUNCTION OF SYSTEM LOAD FOR ELECTRIC POWER
 GENERATING SYSTEMS HAVING A NET GENERATING CAPACITY OF
 LESS THAN 500 MEGAWATTS AS OF JANUARY 1, 1978

<u>SYSTEM LOAD IN NET MEGAWATTS</u>	Stage I	Stage II
	<u>MAXIMUM ALLOWABLE RATE OF OXIDES OF NITROGEN EMISSIONS POUNDS/HOUR, ON OR AFTER OCTOBER 1, 1982</u>	<u>MAXIMUM ALLOWABLE RATE OF OXIDES OF NITROGEN EMISSIONS POUNDS/HOUR, ON OR AFTER JANUARY 1, 1990</u>
0	0	0
20	24	6
40	52	13
60	84	21
80	116	29
100	148	37
120	192	48
140	244	61
160	300	75
180	332	83
200	372	93
220	456	114
240 or Greater	536	134

Note: To determine the maximum allowable rate of emissions of oxides of nitrogen for system loads other than those shown, use linear interpolation between the two system loads that bracket the system load desired.