

217-782-2113

**ACID RAIN PROGRAM
PHASE II PERMIT - REVISED**

Midwest Generation EME, LLC.
Attn: Mr. John T. Long, Designated Representative
440 South LaSalle, Suite 3500
Chicago, Illinois 60605

Oris No.: 879
IEPA I.D. No.: 179801AAA
Source/Unit: Powerton 51, 52, 61 and 62
Date Received: July 2, 2001
Date Issued:
Effective Date: January 1, 2000
Expiration Date: December 31, 2004

STATEMENT OF BASIS:

In accordance with Section 39.5(17)(b), Title IV; Acid Rain Provisions, of the Illinois Environmental Protection Act [415 ILCS 5/1 et Seq.] and Titles IV and V of the Clean Air Act, the Illinois Environmental Protection Agency is revising this Acid Rain Program Phase II permit for the Midwest Generation EME, LLC. Powerton plant to incorporate nitrogen oxides emission limitation compliance plan requirement.

SULFUR DIOXIDE (SO₂) ALLOCATIONS AND NITROGEN OXIDES (NO_x) REQUIREMENTS FOR EACH AFFECTED UNIT:

		2000	2001	2002	2003	2004
UNIT 51	SO ₂ Allowances, under Tables 2, 3, or 4 of 40 CFR Part 73	10,701	10,701	10,701	10,701	10,701

UNIT 51	NO _x Limit	<p>Pursuant to 40 CFR 76.11, the Illinois EPA approves seven NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the year 2001. Under each plan, except as provided below, this unit's NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.80 lb/mmBtu and this unit shall have an annual heat input less than 25,000,000 mmBtu.</p> <p>Under the plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p> <p>In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.</p>
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		2000	2001	2002	2003	2004
UNIT 52	SO ₂ Allowances, under Tables 2, 3, or 4 of 40 CFR Part 73	10,571	10,571	10,571	10,571	10,571

UNIT 52	NO _x Limit	<p>Pursuant to 40 CFR 76.11, the Illinois EPA approves seven NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the year 2001. Under each plan, except as provided below, this unit's NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.80 lb/mmBtu and this unit shall have an annual heat input less than 25,000,000 mmBtu.</p> <p>Under the plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p> <p>In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.</p>				
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		2000	2001	2002	2003	2004
UNIT 61	SO ₂ Allowances, under Tables 2, 3, or 4 of 40 CFR Part 73	10,513	10,513	10,513	10,513	10,513

UNIT 61	NO _x Limit	<p>Pursuant to 40 CFR 76.11, the Illinois EPA approves seven NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the year 2001. Under each plan, except as provided below, this unit's NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.80 lb/mmBtu and this unit shall have an annual heat input less than 25,000,000 mmBtu.</p> <p>Under the plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p>				
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		In addition to the described NO _x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR part 76, including the duty to reapply for a NO _x compliance plan and requirements covering excess emissions.
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		2000	2001	2002	2003	2004
UNIT 62	SO ₂ Allowances, under Tables 2, 3, or 4 of 40 CFR Part 73	10,596	10,596	10,596	10,596	10,596

UNIT 62	NO _x limit	<p>Pursuant to 40 CFR 76.11, the Illinois EPA approves seven NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the year 2001. Under each plan, except as provided below, this unit's NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.80 lb/mmBtu and this unit shall have an annual heat input more than 25,000,000 mmBtu.</p> <p>Under the plan, the actual Btu-weighted annual average NO_x emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p> <p>In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.</p>
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COMMENTS, NOTES AND JUSTIFICATIONS: This revised permit addresses a revised NO_x compliance plan, in which an alternate compliance emission limitation is chosen that is effective for calendar year 2001 through calendar year 2004.

PERMIT APPLICATION: The NO_x compliance plan and instructions are attached and incorporated as part of this permit. The owners and operators of this source must comply with the standard requirements and special provisions set forth in the application.

If you have any questions regarding this permit, please contact Mohamed Anane at 217/782-2113.

Donald E. Sutton, P.E.
 Manager, Permits Section
 Division of Air Pollution Control

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cc: Cecilia Mijares, USEPA Region V
 Richard Jennings, IEPA Region 2