

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)	
)	
PROPOSED NEW CAIR SO ₂ , CAIR NO _x)	
ANNUAL AND CAIR NO _x OZONE SEASON)	R06-26
TRADING PROGRAMS, 35 ILL. ADM.)	(Rulemaking- Air)
CODE 225, CONTROL OF EMISSIONS)	
FROM LARGE COMBUSTION SOURCES,)	
SUBPARTS A, C, D and E)	

NOTICE

TO: Dorothy Gunn, Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601-3218

SEE ATTACHED SERVICE LIST

PLEASE TAKE NOTICE that I have today filed with the Office of the Pollution Control Board a MOTION FOR LEAVE TO FILE INSTANTER and REVISED JOINT COMMENT, a copy of which is herewith served upon you.

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

By: _____
John J. Kim
Managing Attorney
Air Regulatory Unit
Division of Legal Counsel

DATED: January 10, 2007

1021 North Grand Avenue East
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**THIS FILING IS SUBMITTED
ON RECYCLED PAPER**

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

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)
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TRADING PROGRAMS, 35 ILL. ADM.) **(Rulemaking – Air)**
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MOTION FOR LEAVE TO FILE INSTANTER REVISED JOINT COMMENT

NOW COMES the ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (“Illinois EPA”), by one of its attorneys, and pursuant to 35 Ill. Adm. Code 101.500, moves that the Illinois Pollution Control Board (“Board”) grant the Illinois EPA leave to file instanter a Revised Joint Comment. In support of its Motion, the Illinois EPA states as follows:

On January 5, 2007, Illinois EPA and Midwest Generation EME, LLC (“MWGen”), filed a Joint Comment in this proceeding. The Joint Comment set forth the background and substance of a new proposed Subpart F to be included with this pending rulemaking. However, due to logistical restraints and the desire to meet the January 5, 2007 filing deadline for post-hearing written comments, Illinois EPA and MWGen were not able to complete discussions on one last issue related to the understanding of those parties.

Specifically, the proposed language in new Subpart F did not include specific deadlines and milestones related to the option of shutting down or installing new control equipment at certain facilities in the State. Following further discussions held on and after the January 5, 2007 filing deadline, Illinois EPA and MWGen now have reached agreement as to the content and form of such provisions. Therefore, Illinois EPA and MWGen are now submitting the revised language of new Subpart F with the Revised Joint Comment being filed concurrently with this

Motion.

In the Revised Joint Comment, Illinois EPA and MWGen request that the Board incorporate the revised language with the remainder of new Subpart F and include that revised new Subpart with the rulemaking in the Board's First Notice. The delay between the deadline of January 5, 2007, and the filing date of this Motion is not so long as to create any prejudice on the part of any affected party, but the failure of the Board to accept and consider this revised language would result in a new Subpart F that would be missing certain key elements.

The Illinois EPA regrets that the revised language that is the subject of the Revised Joint Comment was not submitted in a timely fashion, and asks that the Board take into account the relatively short period of time that has transpired since the filing deadline.

WHEREFORE, for the reasons set forth above, the Illinois EPA respectfully moves that the Board grant leave to file instanter the Revised Joint Comment.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

By: _____
John J. Kim
Managing Attorney
Air Regulatory Unit
Division of Legal Counsel

DATED: January 10, 2007

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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

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FROM LARGE COMBUSTION SOURCES)
SUBPARTS A, C, D and E)

REVISED JOINT COMMENT

NOW COME Midwest Generation EME, LLC (“MWGen”) and the Illinois Environmental Protection Agency (“Illinois EPA”), by and through their respective attorneys, and state as follows:

On January 5, 2007, MWGen and Illinois EPA submitted a Joint Comment to the Illinois Pollution Control Board (“Board”). The Joint Comment included a new Subpart F proposed for inclusion within this pending rulemaking. The comments and information contained within the Joint Comment are incorporated into this Revised Joint Comment.

The Joint Comment set forth the background and substance of a new proposed Subpart F to be included with this pending rulemaking. However, due to logistical restraints and the desire to meet the January 5, 2007 filing deadline for post-hearing written comments, Illinois EPA and MWGen were not able to complete discussions on one last issue related to the understanding of those parties.

Specifically, the proposed language in new Subpart F did not include specific deadlines and milestones related to the option of shutting down or installing new control equipment at certain facilities in the State. Following further discussions held on and after the January 5, 2007 filing deadline, Illinois EPA and MWGen now have reached agreement as to the content and form of such provisions. Therefore, Illinois EPA and MWGen are now submitting the revised

language of new Subpart F with this Revised Joint Comment. The language of new Subpart F is the same as that submitted with the Joint Comment, with the noted exceptions. That language more clearly sets forth the milestones, options and deadlines that are applicable for the Specified Electric Generating Units (“EGUs”) referenced in the rule; accordingly, this language will clarify obligations imposed upon an owner or operator of a Specified EGU.

Illinois EPA and MWGen request that the Board incorporate the revised language with the remainder of new Subpart F and include that revised new Subpart with the rulemaking in the Board’s First Notice. The failure of the Board to accept and consider this revised language would result in a new Subpart F that would be missing certain key elements.

For all of the foregoing reasons, MWGen and the Illinois EPA request that the PCB include the proposed Subpart F for consideration in and as a part of the CAIR rulemaking.

Dated: January 10, 2007.

MIDWEST GENERATION EME LLC

Respectfully submitted,

ILLINOIS ENVIRONMENTAL PROTECTION
AGENCY

By: /s/ Karl A. Karg
One of its Attorneys

By: /s/ John J. Kim
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1
2 **SUBPART F: COMBINED POLLUTANT STANDARDS**
3

4 Section 225.600 Purpose
5

6 The purpose of this Subpart F is to allow an alternate means of compliance with the emissions
7 standards for mercury in Section 225.230(a) for Specified EGUs through permanent shut-down,
8 installation of ACI, and the application of pollution control technology for NO_x, PM, and SO₂
9 emissions that also reduce mercury emissions as a co-benefit and to establish permanent
10 emissions standards for those Specified EGUs. Unless otherwise provided for in this Subpart F,
11 owners and operators of those Specified EGUs are not excused from compliance with other
12 applicable requirements of Subparts B, C, D, and E.
13

14 Section 225.605 Applicability
15

- 16 a) As an alternative to compliance with the emissions standards of Section
17 225.230(a), the owner or operator of specified EGUs in this Subpart F located at
18 Fisk, Crawford, Joliet, Powerton, Waukegan, and Will County power plants may
19 elect for all of those EGUs as a group to demonstrate compliance pursuant to this
20 Subpart F, which establishes control requirements and emissions standards for
21 NO_x, PM, SO₂, and mercury. For this purpose, ownership of a Specified EGU is
22 determined based on direct ownership, by holding a majority interest in a
23 company that owns the EGU or EGUs, or by the common ownership of the
24 company that owns the EGU, whether through a parent-subsidiary relationship, as
25 a sister corporation, or as an affiliated corporation with the same parent
26 corporation, provided that the owner or operator has the right or authority to
27 submit a CAAPP application on behalf of the EGU.
28
- 29 b) A Specified EGU is a coal-fired EGU listed in Appendix A, irrespective of any
30 subsequent changes in ownership of the EGU or power plant, changes in the
31 operator, unit designation, or name of unit.
32
- 33 c) The owner or operator of each of the Specified EGUs electing to demonstrate
34 compliance with Section 225.230(a) pursuant to this Subpart must submit an
35 application for a CAAPP permit modification to the Agency, as provided for in
36 Section 225.220, that includes the information specified in Section 225.610 that
37 clearly states the owner's or operator's election to demonstrate compliance with
38 Section 225.230(a) pursuant to this Subpart F.
39
- 40 d) If an owner or operator of one or more Specified EGUs elects to demonstrate
41 compliance with Section 225.230(a) pursuant to this Subpart F, then all Specified
42 EGUs owned or operated in Illinois by the owner or operator as of December 31,
43 2006, as defined in subsection (a) of this Section, are thereafter subject to the
44 standards and control requirements of this Subpart F. Such EGUs are referred to
45 as a Combined Pollutant Standard ("CPS") group.
46

47 e) If an EGU is subject to the requirements of this Section, then the requirements
48 apply to all owners and operators of the EGU, and to the CAIR designated
49 representative for the EGU.
50

51 Section 225.610 Notice of Intent
52

53 The owner or operator of one or more Specified EGUs that intends to comply with Section
54 225.230(a) by means of this Subpart F must notify the Agency of its intention on or before
55 December 31, 2007. The following information must accompany the notification:
56

- 57 a) The identification of each EGU that will be complying with Section 225.230(a)
58 pursuant to this Subpart F, with evidence that the owner or operator has identified
59 all Specified EGUs that it owned or operated in Illinois as of December 31, 2006,
60 and which commenced commercial operation on or before December 31, 2004;
61
62 b) If an EGU identified in subsection (a) of this Section is also owned or operated by
63 a person different than the owner or operator submitting the notice of intent, a
64 demonstration that the submitter has the right to commit the EGU or authorization
65 from the responsible official for the EGU submitting the application; and
66
67 c) A summary of the current control devices installed and operating on each EGU
68 and identification of the additional control devices that will likely be needed for
69 each EGU to comply with emission control requirements of this Subpart F.
70

71 Section 225.615 Control Technology Requirements and Emissions Standards for Mercury
72

- 73 a) Control Technology Requirements for Mercury.
74
75 1) For each EGU in a CPS group other than an EGU that is addressed by
76 subsection (b) of this Section, the owner or operator of the EGU must
77 install, if not already installed, and properly operate and maintain, by the
78 dates set forth in subsection (a)(2) of this Section, ACI equipment
79 complying with subsections (g), (h), (i), (j), and (k) of this Section, as
80 applicable.
81
82 2) By the following dates, for the EGUs listed below, which include hot and
83 cold side ESPs, the owner or operator must install, if not already installed,
84 begin operating ACI equipment or the Agency must be given written
85 notice that the EGU will be shutdown on or before the dates below:
86
87 A) Fisk 19, Crawford 7, Crawford 8, Waukegan 7, and Waukegan 8
88 on or before July 1, 2008; and
89
90 B) Powerton ~~51~~, ~~Powerton 52~~, Powerton 61, ~~Powerton 62~~, Will
91 County 3, Will County 4, Joliet ~~671~~, ~~Joliet 72~~, Joliet ~~781~~, ~~Joliet 82~~,
92 and Joliet ~~85~~ on or before July 1, 2009.

- 93
94 b) Notwithstanding subsection (a) of this Section, the following EGUs are not
95 required to install ACI equipment because they will be permanently shut-down, as
96 addressed by Section 225.630, by the date specified:
97
98 1) EGUs that are required to permanently shut-down:
99
100 A) On or before December 31, 2007, Waukegan ~~617~~; and
101
102 B) On or before December 31, 2010, Will County 1 and Will County
103 2.
104
105 2) Any other Specified EGU that is permanently shut down by December 31,
106 2010.
107
108 c) Beginning on January 1, 2015, and continuing thereafter, and measured on a
109 rolling 12-month basis (the initial period is January 1, 2015, through December
110 31, 2015, and, then, for every 12-month period thereafter), each Specified EGU,
111 except Will County 3, shall achieve one of the following emissions standards:
112
113 1) An emissions standard of 0.0080 lbs mercury/GWh gross electrical output;
114 or
115
116 2) A minimum 90 percent reduction of input mercury.
117
118 d) Beginning on January 1, 2016, and continuing thereafter, Will County 3 shall
119 achieve the mercury emissions standards of subsection (c) of this Section
120 measured on a rolling 12-month basis (the initial period is January 1, 2016,
121 through December 31, 2016, and, then, for every 12-month period thereafter).
122
123 e) At any time prior to the dates required for compliance in subsections (c) and (d)
124 of this Section, the owner or operator of a Specified EGU, upon notice to the
125 Agency, may elect to comply with the emissions standards of subsection (c) of
126 this Section measured on a rolling 12-month basis for one or more EGUs. Once
127 an EGU is subject to the mercury emissions standards of subsection (c) of this
128 Section, it shall not be subject to the requirements of subsections (g), (h), (i), (j)
129 and (k) of this Section.
130
131 f) Compliance with the mercury emissions standards or reduction requirement of
132 this Section must be calculated in accordance with Section 225.230(a) or (b).
133
134 g) For each EGU for which injection of halogenated activated carbon is required by
135 subsection (a)(1) of this Section, the owner or operator of the EGU must inject
136 halogenated activated carbon in an optimum manner, which, except as provided in
137 subsection (h) of this Section, is defined as all of the following:
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- 1) The use of an injection system for effective absorption of mercury, considering the configuration of the EGU and its ductwork;
 - 2) The injection of halogenated activated carbon manufactured by Alstom, Norit, or Sorbent Technologies, or the injection of any other halogenated activated carbon or sorbent that the owner or operator of the EGU has demonstrated to have similar or better effectiveness for control of mercury emissions; and
 - 3) The injection of sorbent at the following minimum rates, as applicable:
 - A) For an EGU firing subbituminous coal, 5.0 lbs per million actual cubic feet or, for any cyclone-fired EGU that will install a scrubber and baghouse by December 31, 2012, and which already meets an emission rate of 0.020 lb mercury/GWh gross electrical output or at least 75 percent reduction of input mercury, 2.5 lbs million actual cubic feet;
 - B) For an EGU firing bituminous coal, 10.0 lbs per million actual cubic feet or, for any cyclone-fired EGU that will install a scrubber and baghouse by December 31, 2012, and which already meets an emission rate of 0.020 lb mercury/GWh gross electrical output or at least 75 percent reduction of input mercury, 5.0 lbs million actual cubic feet;
 - C) For an EGU firing a blend of subbituminous and bituminous coal, a rate that is the weighted average of the above rates, based on the blend of coal being fired; or
 - D) A rate or rates set lower by the Agency, in writing, than the rate specified in any of subsections (g)(3)(A), (g)(3)(B), or (g)(3)(C) of this Section on a unit-specific basis, provided that the owner or operator of the EGU has demonstrated that such rate or rates are needed so that carbon injection will not increase particulate matter emissions or opacity so as to threaten noncompliance with applicable requirements or particulate matter or opacity.
 - h) For purposes of subsection (g)(3) of this Section, the flue gas flow rate must be determined for the point sorbent injection; provided that this flow rate may be assumed to be identical to the stack flow rate if the gas temperatures at the point of injection and the stack are normally within 100° F, or the flue gas flow rate may otherwise be calculated from the stack flow rate, corrected for the difference in gas temperatures.
 - h) The owner or operator of an EGU that seeks to operate an EGU with an activated carbon injection rate or rates that are set on a unit-specific basis pursuant to

185 subsection (g)(3)(D) of this Section must submit an application to the Agency
186 proposing such rate or rates, and must meet the requirements of subsections (h)(1)
187 and (h)(2) of this Section, subject to the limitations of subsections (h)(3) and
188 (h)(4) of this Section:

- 189
- 190 1) The application must be submitted as an application for a new or revised
191 federally enforceable operation permit for the EGU, and it must include a
192 summary of relevant mercury emissions data for the EGU, the unit-
193 specific injection rate or rates that are proposed, and detailed information
194 to support the proposed injection rate or rates; and
195
 - 196 2) This application must be submitted no later than the date that activated
197 carbon must first be injected. For example, the owner or operator of an
198 EGU that must inject activated carbon pursuant to subsection (a)(1) of this
199 Section must apply for unit-specific injection rate or rates by July 1, 2008.
200 Thereafter, the owner or operator may supplement its application; and
201
 - 202 3) Any decision of the Agency denying a permit or granting a permit with
203 conditions that set a lower inject rate or rates may be appealed to the
204 Board pursuant to Section 39 of the Act.
205
 - 206 4) The owner or operator of an EGU may operate at the injection rate or rates
207 proposed in its application until a final decision is made on the application
208 including a final decision on any appeal to the Board.
209
- 210 i) During any evaluation of the effectiveness of a listed sorbent, alternative sorbent,
211 or other technique to control mercury emissions, the owner or operator of an EGU
212 need not comply with the requirements of subsection (g) of this Section for any
213 system needed to carry out the evaluation, as further provided as follows:
214
- 215 1) The owner or operator of the EGU must conduct the evaluation in
216 accordance with a formal evaluation program submitted to the Agency at
217 least 30 days prior to commencement of the evaluation;
218
 - 219 2) The duration and scope of the evaluation may not exceed the duration and
220 scope reasonably needed to complete the desired evaluation of the
221 alternative control techniques, as initially addressed by the owner or
222 operator in a support document submitted with the evaluation program;
223 and
224
 - 225 3) The owner or operator of the EGU must submit a report to the Agency no
226 later 30 days after the conclusion of the evaluation that describes the
227 evaluation conducted and which provides the results of the evaluation; and
228
 - 229 4) If the evaluation of the alternative control techniques shows less effective
230 control of mercury emissions from the EGU than was achieved with the

231 principal control techniques, the owner or operator of the EGU must
232 resume use of the principal control techniques. If the evaluation of the
233 alternative control technique shows comparable effectiveness to the
234 principal control technique, the owner or operator of the EGU may either
235 continue to use the alternative control technique in a manner that is at least
236 as effective as the principal control technique or it may resume use of the
237 principal control techniques. If the evaluation of the control techniques
238 shows more effective control of mercury emissions than the control
239 technique, the owner or operator of the EGU must continue to use the
240 alternative control technique in a manner that is more effective than the
241 principal control technique, so long as it continues to be subject to this
242 Section 225.615.
243

- 244 j) In addition to complying with the applicable recordkeeping and monitoring
245 requirements in Sections 225.240 through 225.290, the owner or operator of an
246 EGU that elects to comply with Section 225.230(a) by means of this Subpart F
247 must also comply with the following additional requirements:
248
- 249 1) For the first 36 months that injection of sorbent is required, it must
250 maintain records of the usage of sorbent, the exhaust gas flow rate from
251 the EGU, and the sorbent feed rate, in pounds per million actual cubic feet
252 of exhaust gas at the injection point, on a weekly average;
253
 - 254 2) After the first 36 months that injection of sorbent is required, it must
255 monitor activated sorbent feed rate to the EGU, flue gas temperature at the
256 point sorbent injection, and exhaust gas flow rate from the EGU,
257 automatically recording this data and the sorbent carbon feed rate, in
258 pounds per million actual cubic feet of exhaust gas at the injection point,
259 on an hourly average; and
260
 - 261 3) If a blend of bituminous and subbituminous coal is fired in the EGU, it
262 must keep records of the amount of each type of coal burned and the
263 required injection rate for injection of activated carbon, on a weekly basis.
264

- 265 k) In addition to complying with the applicable reporting requirements in Sections
266 225.240 through 225.290, the owner or operator of an EGU that elects to comply
267 with Section 225.230(a) by means of this Subpart F must also submit quarterly
268 reports for the recordkeeping and monitoring conducted pursuant to subsection (j)
269 of this Section.
270

271 Section 225.620 Emissions Standards for NO_x and SO₂

- 272
- 273 a) Emissions Standards for NO_x and Reporting Requirements.
- 274 1) Beginning with calendar year 2012 and continuing in each calendar year
275 thereafter, the CPS group, which includes all Specified EGUs that have
276

277 not been permanently shut-down by December 31 before the applicable
 278 calendar year, must comply with a CPS group average annual NO_x
 279 emissions rate of no more than 0.11 lbs/mmBtu.
 280

281 2) Beginning with ozone season control period 2012 and continuing in each
 282 ozone season control period (May 1 through September 30) thereafter, the
 283 CPS group, which includes all Specified EGUs that have not been
 284 permanently shut-down by December 31 before the applicable ozone
 285 season, must comply with a CPS group average ozone season NO_x
 286 emissions rate of no more than 0.11 lbs/mmBtu.
 287

288 3) The owner or operator of the Specified EGUs in the CPS group must file
 289 not later than one year after startup of any selective SNCR on such EGU, a
 290 report with the Agency describing the NO_x emissions reductions that the
 291 SNCR has been able to achieve.
 292

293 b) Emissions Standards for SO₂. Beginning in calendar year 2013 and continuing in
 294 each calendar year thereafter, the CPS group must comply with the applicable
 295 CPS group average annual SO₂ emissions rate listed below:
 296

297 year	lbs/mmBtu
298 2013	0.44
299 2014	0.41
300 2015	0.28
301 2016	0.195
302 2017	0.15
303 2018	0.13
304 2019	0.11

305
 306 c) Compliance with the NO_x and SO₂ emissions standards must be demonstrated in
 307 accordance with Sections 225.310, 225.410, and 225.510. The owner or operator
 308 of the Specified EGUs must complete the demonstration of compliance pursuant
 309 to Section 225.635(c) before March 1 of the following year for annual standards
 310 and before November 30 of the particular year for ozone season control periods
 311 (May 1 through September 30) standards, by which date a compliance report must
 312 be submitted to the Agency.
 313

314
 315 d) The CPS group average annual SO₂ emission rate, annual NO_x emission rate and
 316 ozone season NO_x emission rates shall be determined as follows:
 317

$$ER_{avg} = \frac{\sum_{i=1}^n (SO_{2i} \text{ or } NO_{xi} \text{ tons})}{\sum_{i=1}^n (HI_i)}$$

318
 319
 320
 321 Where:
 322

323	ER_{avg}	=	average annual or ozone season emission
324			rate in lbs/mmBbtu of all EGUs in the CPS
325			group.
326	HI_i	=	heat input for the annual or ozone control
327			period of each EGU, in mmBtu.
328	SO_{2i}	=	actual annual SO_2 tons of each EGU in the
329			CPS group.
330	NO_{xi}	=	actual annual or ozone season NO_x tons of
331			each EGU in the CPS group.
332	n	=	number of EGUs that are in the CPS group
333	i	=	each EGU in the CPS group.
334			

335 Section 225.625 Control Technology Requirements for NO_x , SO_2 , and PM Emissions

337 a) Control Technology Requirements for NO_x and SO_2 . ~~The owner or operator must~~
338 ~~either permanently shut down or install and properly operate SNCR or other~~
339 ~~equipment capable of delivering essentially equivalent emissions reductions~~
340 ~~("specified NO_x control equipment") on the listed EGUs according to the~~
341 ~~schedule below:~~

343 1) On before December 31, 2013, the owner or operator must either
344 permanently shutdown or install and have operational FGD equipment on
345 Waukegan 7:

347 2) On before December 31, 2014, the owner or operator must either
348 permanently shutdown or install and have operational FGD equipment on
349 Waukegan 8:

351 3) On before December 31, 2013, the owner or operator must either
352 permanently shutdown or install and have operational FGD equipment on
353 Fisk 19:

355 4) If Crawford 7 will be operated after December 31, 2018, and not
356 permanently shutdown ~~Permanently shut down Crawford 7 on or before~~
357 ~~December 31, 2018~~by this date, the owner or operator must ~~or~~ install and
358 properly operate the specified NO_x control equipment on this EGU by
359 December 31, 2015

361 A) On or before December 31, 2015, install and have operational
362 SNCR or equipment capable of delivering essentially equivalent
363 NO_x reductions on Crawford 7; and

365 B) On or before December 31, 2018, install and have operational FGD
366 equipment on Crawford 7;

- 368 5) If Crawford 8 will be operated after December 31, 2017 and not
369 permanently shutdown by this date, the owner or operator must:
370
371 A) On or before December 31, 2015, install and have operational
372 SNCR or equipment capable of delivering essentially equivalent
373 NO_x emissions reductions on Crawford 8; and
374
375 B) On or before December 31, 2017, install and have operational FGD
376 equipment on Crawford 8.
377
378 ~~2) Permanently shut down Crawford 8 on or before December 31, 2017, or~~
379 ~~install and properly operate the specified NO_x control equipment on this~~
380 ~~EGU by December 31, 2015.~~
381
382 b) Other Control Technology Requirements for SO₂. On or before December 31,
383 2018, the owners or operators of Specified EGUs must either permanently shut-
384 down or install FGD equipment on each for the Specified EGUs (except Joliet 5),
385 on or before December 31, 2018, unless an earlier date is specified in subsection
386 (a) of this Section at the Crawford, Fisk, Joliet (except Joliet 5), Powerton,
387 Waukegan, and Will County power plants.
388
389 c) Control technology requirements for PM. The owner or operator of the two
390 Specified EGUs listed below that are equipped with a hot-side ESP must either
391 replace the hot-side ESPs with a cold-side ESP, install an appropriately designed
392 fabric filter, or permanently shut-down the EGU by the dates specified below.
393 Hot-side ESP means an ESP on a coal-fired boiler that is installed before the
394 boiler's air-preheater where the operating temperature is typically at least 550° F,
395 as distinguished from a cold-side ESP that is installed after the air pre-heater
396 where the operating temperature is typically no more than 350° F.
397
398 1) Waukegan 7 on or before December 31, 2013; and
399
400 2) Will County 3 on before December 31, 2015.
401
402 d) Beginning on December 31, 2008, and annually thereafter up to and including
403 December 31, 2015, the owner or operator of the Fisk power plant must submit in
404 writing to the Agency a report on any technology or equipment designed to affect
405 air quality that has been considered or explored for the Fisk power plant in the
406 preceding 12 months. This report will not obligate the owner or operator to install
407 any equipment described in the report.
408
409 e) Notwithstanding 35 Ill. Adm. Code 201.146(hhh), until an EGU has complied
410 with the applicable requirements of Sections 225.625(a), (b), and (c), the owner or
411 operator of the EGU must obtain a construction permit for any new or modified
412 air pollution control equipment that it proposes to construct for control of
413 emissions of mercury, NO_x, PM, or SO₂.

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Section 225.630 Permanent Shut-Downs

- a) The owner or operator of the following EGUs must permanently shut-down the EGU by the dates specified:
 - 1) Waukegan ~~617~~ on or before December 31, 2007; and
 - 2) Will County 1 and Will County 2 on or before December 31, 2010.
- b) No later than 8 months before the date that a Specified EGU will be permanently shut-down, the owner or operator must submit a report to the Agency that includes a description of the actions that have already been taken to allow the shut-down of the EGU and a description of the future actions that must be accomplished to complete the shut-down of the EGU, with the anticipated schedule for those actions and the anticipated date of permanent shut-down of the unit.
- c) No later than six months before a Specified EGU will be permanently shut-down, the owner or operator shall apply for revisions to the operating permits for the EGU to include provisions that terminate the authorization to operate the unit on that date.
- d) If after applying for or obtaining a construction permit to install required control equipment, the owner or operator decides to permanently shut-down a Specified EGU rather than install the required control technology, the owner or operator must immediately notify the Agency in writing and thereafter submit the information required by subsections (b) and (c) of this Section.
- e) Failure to permanently shut-down a Specified EGU by the required date shall be considered separate violations of the applicable emissions standards and control technology requirements of this Subpart F for NO_x, PM, SO₂, and mercury.

Section 225.635 Requirements for CAIR SO₂, CAIR NO_x, and CAIR NO_x Ozone Season Allowances

- a) The following requirements apply to the owner, the operator and the designated representative with respect to CAIR SO₂, CAIR NO_x, and CAIR NO_x Ozone Season allowances:
 - 1) The owner, operator, and CAIR designated representative of Specified EGUs in a CPS group is permitted to sell, trade, or transfer SO₂ and NO_x emissions allowances of any vintage owned, allocated to, or earned by the Specified EGUs (the "CPS Allowances") to its affiliated Homer City, Pennsylvania generating station ("Homer City Station") for as long as the Homer City Station needs the CPS Allowances for compliance.

- 460
461 2) When and if the Homer City Station no longer requires all of the CPS
462 Allowances, the owner, operator, or CAIR designated representative of
463 Specified EGUs in CPS group may sell any and all remaining CPS
464 Allowances, without restriction, to any person or entity located anywhere,
465 except that the owner or operator may not directly sell, trade, or transfer
466 CPS Allowances to a CAIR NO_x or CAIR SO₂ unit located in Ohio,
467 Indiana, Illinois, Wisconsin, Michigan, Kentucky, Missouri, Iowa,
468 Minnesota, or Texas.
469
470 3) In no event shall this subsection (a) require or be interpreted to require any
471 restriction whatsoever on the sale, trade, or exchange of the CPS
472 Allowances by persons or entities who have acquired the CPS Allowances
473 from the owner, operator, or CAIR designated representative of Specified
474 EGUs in a CPS group.
475
476 b) The owner, operator, and CAIR designated representative of EGUs in a CPS
477 group comprised of is prohibited from purchasing or using CAIR SO₂, CAIR
478 NO_x, and CAIR NO_x Ozone Season allowances for the purposes of meeting the
479 SO₂ and NO_x emissions standards set forth in Section 225.620.
480
481 c) Before March 1, 2010, and continuing each year thereafter, the CAIR designated
482 representative of the EGUs in a CPS group must submit a report to the Agency
483 that demonstrates compliance with the requirements of this Section 225.635 for
484 the previous calendar year and ozone season control period (May 1 through
485 September 30), and includes identification of any CAIR allowances that have
486 been used for compliance with the CAIR trading programs as set forth in Subparts
487 C, D, and E, and any CAIR allowances that were sold, gifted, used, exchanged, or
488 traded. A final report must be submitted to the Agency by August 31 of each
489 year, providing either verification that the actions described in the initial report
490 have taken place, or, if such actions have not taken place, an explanation of the
491 changes that have occurred and the reasons for such changes.
492

493 Section 225.640 Clean Air Act Requirements
494

495 The SO₂ emissions rates set forth in this Subpart F shall be deemed to be best available retrofit
496 technology (“BART”) under the Visibility Protection provisions of the CAA, 42 U.S.C. 7491,
497 reasonably available control technology (“RACT”) and reasonably available control measures
498 (“RACM”) for achieving fine particulate matter (“PM_{2.5}”) requirements under NAAQS in effect
499 on the effective date of this Subpart F, as required by the CAA, 42 U.S.C. 7502. The Agency
500 may use the SO₂ and NO_x emissions reductions required under this Subpart F in developing
501 attainment demonstrations and demonstrating reasonable further progress for PM_{2.5} and 8 hour
502 ozone standards, as required under the CAA. Furthermore, in developing rules, regulations, or
503 state implementation plans designed to comply with PM_{2.5} and 8 hour ozone NAAQS, the
504 Agency, taking into account all emission reduction efforts and other appropriate factors, will use
505 best efforts to seek SO₂ and NO_x emissions rates from other EGUs that are equal to or less than

506 the rates applicable to the CPS Group and will seek SO₂ and NO_x reductions from other sources
507 before seeking additional emissions reductions from any EGU in the CPS Group.
508
509

509 225.Appendix A Specified EGUs for Purposes of Subpart F (Midwest Generation's Coal-
 510 Fired Boilers as of July 1, 2006)
 511

512	Plant	Permit	Boiler	Permit designation	<u>Subpart F</u>
513		Number			<u>Designation</u>
514					
515	Crawford	031600AIN	7	Unit 7 Boiler BLR1	<u>Crawford 7</u>
516			8	Unit 8 Boiler BLR2	<u>Crawford 8</u>
517					
518	Fisk	031600AMI	19	Unit 19 Boiler BLR19	<u>Fisk 19</u>
519					
520	Joliet	197809AAO	71	Unit 7 Boiler BLR71	<u>Joliet 7</u>
521			72	Unit 7 Boiler BLR72	<u>Joliet 7</u>
522			81	Unit 8 Boiler BLR81	<u>Joliet 8</u>
523			82	Unit 8 Boiler BLR82	<u>Joliet 8</u>
524			5	Unit 6 Boiler BLR5	<u>Joliet 6</u>
525					
526	Powerton	179801AAA	51	Unit 5 Boiler BLR 51	<u>Powerton 5</u>
527			52	Unit 5 Boiler BLR 52	<u>Powerton 5</u>
528			61	Unit 6 Boiler BLR 61	<u>Powerton 6</u>
529			62	Unit 6 Boiler BLR 62	<u>Powerton 6</u>
530					
531	Waukegan	097190AAC	17	Unit 6 Boiler BLR17	<u>Waukegan 6</u>
532			7	Unit 7 Boiler BLR7	<u>Waukegan 7</u>
533			8	Unit 8 Boiler BLR8	<u>Waukegan 8</u>
534					
535	Will County	197810AAK	1	Unit 1 Boiler BLR1	<u>Will County 1</u>
536			2	Unit 2 Boiler BLR2	<u>Will County 2</u>
537			3	Unit 3 Boiler BLR3	<u>Will County 3</u>
538			4	Unit 4 Boiler BLR4	<u>Will County 4</u>
539					
540					
541					

SERVICE LIST
R06-26

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