# In The Matter Of: ILLINOIS POLLUTION CONTROL BOARD

# HEARING September 26, 2024

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    IN THE MATTER OF:
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    AMENDMENTS TO 35 ILL. ADM.
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                                          R25-17
    CODE 217, NITROGEN OXIDES
                                          (Rulemaking - Air)
    EMISSIONS
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                              HEARING
                       September 26, 2024
10
                            10:00 a.m.
                     1021 North Grand Avenue
11
                          Springfield, IL
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13
                      BOARD MEMBERS PRESENT
14
                        Michael Mankowski
15
                       BOARD STAFF PRESENT
16
           Anupama Paruchuri, Advisor to Mr. Mankowski
17
            Anand Rao, Chief Environmental Scientist
18
19
20
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1	ALSO PRESENT:	
2	RORY DAVIS - Manager of the Regulatory Development Unit in the Air	
3	Quality Planning Section, Bureau of Air	
4	KYLE SOTTORIVA - Environmental	
5	Protection Engineer 3, Regulatory  Development Unit, Air Quality	
6	Planning Section, Bureau of Air	
7		
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4 1 HEARING OFFICER PAULEY: Good morning and welcome to this Illinois Pollution Control Board 2 My name is Daniel Pauley, and I'm the 3 hearing. Hearing Officer for this rulemaking proceeding 4 entitled "Amendments to 35 Illinois Administrative 5 code 217, Nitrogen Oxide Admissions. The Board docket 6 7 number for this rulemaking is R25-17. 8 Also present today from the Board are Board Member Michael Mankowski. Board Staff present are 9 Anand Rao of the Board's Technical Unit and advisor to 10 Member Mankowski, Anu Paruchuri. 11 This hearing is governed by the Board's 12 procedural rules. All information that is relevant 13 and that is not repetitious or privileged will be 14 admitted into the record. 15 16 Please bear in mind that any questions posed 17 today by the Board and its staff are intended solely to help develop a clear and complete record for the 18 19 Board's diction and do not reflect any decision on the 20 proposal, testimony, or other questions. 21 For the sake of our court reporter, please speak clearly and avoid speaking at the same time as 22 23 another person so that we can help produce a clear

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transcript.

1	The Illinois Environmental Protection Agency
2	filed this rulemaking proposal with the Board on July
3	18, 2024. In early August 2024, notice was published
4	for this hearing in all 11 air regions across the
5	state. On July 30, 2024, the Hearing Officer directed
6	participants intending to testify at this hearing to
7	prefile their testimony by August 21, 2024. On that
8	date, the Board received prefiled testimony on behalf
9	of the Agency by Rory Davis. No other participants
10	prefiled testimony.
11	Since there was nobody who signed up for
12	public comment, we'll go straight into the questions.
13	would the court reporter please swear in the
14	agency witness, Mr. Davis.
15	MR. DAVIS: Can we swear in Kyle Sottoriva
16	also?
17	HEARING OFFICER PAULEY: Yes.
18	MS. VETTERHOFFER: Rory prefiled testimony,
19	but Kyle Sottoriva might be assisting Rory in some of
20	the responses.
21	HEARING OFFICER PAULEY: That sounds good.
22	Thank you.
23	(Rory Davis and Kyle Sottoriva
24	duly sworn to tell the truth.)

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1	HEARING OFFICER PAULEY: Thank you. As
2	mentioned earlier, the prefiled testimony is entered
3	into the record as if read.
4	Would the Agency like to have the witness's
5	prefiled testimony made a hearing exhibit?
6	MS. ROCCAFORTE: Yes, that's fine. We move
7	that it be entered.
8	HEARING OFFICER PAULEY: That will be
9	Exhibit A, hearing no objections. Exhibit A.
LO	Does the Agency wish to offer a brief
L1	introduction or summary?
L2	MS. ROCCAFORTE: No, but I can introduce
L3	everyone who is here, if you would like.
L <b>4</b>	MR. PAULEY: That would be great. Thank
L5	you.
L6	MS. ROCCAFORTE: I'm Gina Roccaforte,
L7	Assistant Counsel on behalf of the Illinois
L8	Environmental Protection Agency. With me today is
L9	Dana Vetterhoffer, Deputy General Counsel; Rory Davis,
20	Manager of the Regulatory Development Unit in the Air
21	Quality Planning Section in the Bureau of Air; and
22	Kyle Sottoriva, Environmental Protection Engineer 3,
23	in the Regulatory Development Unit in the Air Quality
24	Planning Cogtion also in the Bureau of Air

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1	HEARING OFFICER PAULEY: Thank you very
2	much. Then if the Agency is ready, we'll proceed with
3	the questions. We'll first begin with questions from
4	the Illinois Attorney General's Office, then move to
5	the Illinois Environmental Regulatory Group, and then
6	the Board's.
7	Ms. Meade, prefiled questions are entered
8	into the record as if read. If you'd like to start
9	with your first question, we can turn to the Agency
10	for the answers.
11	MS. MEADE: All right. Good morning,
12	everyone. My name is Mallory Meade. I'm with the
13	Illinois Attorney General's Office. My plan today is
14	just to read straight through this list of questions
15	that we filed on September 19. If I speak too quickly
16	or too softly, please just let me know, and I will try
17	and course correct.
18	So if everyone is ready, I will go ahead and
19	get started.
20	IEPA's technical support document states
21	that "the current proposed revisions are intended to
22	satisfy relevant SIP obligations. To this end, the
23	proposal addresses issues raised by USEPA regarding

the State's current RACT rules and updates various

	S Control of the cont
1	aspects of the rules to reflect what is currently
2	considered RACT."
3	IEPA specifies several ways that its
4	proposed regulatory provisions would satisfy Illinois'
5	SIP obligations and modify unapprovable SIP
6	provisions. For instance, "The proposed amendments
7	address these issues and include reducing compliance
8	periods from an ozone season and annual basis to a
9	30-day rolling average basis "
10	Do the proposed changes to Illinois
11	regulations satisfy SIP obligations in other ways that
12	are not specified in the Technical Support Document?
13	If so, please expand on how those provisions would
14	operate.
15	MR. DAVIS: USEPA previously identified
16	deficiencies in the Part 217 NOx RACT regulations.
17	That's NOx, and that is oxides of nitrogen. And RACT
18	is R-A-C-T. That's an acronym for Reasonably
19	Available Control Technology. Those will be coming up
20	quite a bit.
21	Specifically, USEPA indicated that an
22	emissions averaging plan is a type of economic
23	incentive program, or an EIP, covered by USEPA's
24	improving quality with economic incentive programs.

That's EPA-452/R-01-001 from January of 2001, which provides guideline requirements for emissions trading programs.

USEPA noted two specific issues in Illinois' emissions averaging plan requirements. One, that the EIP guidelines require EIPs, including emissions averaging plans, to provide for a specific emissions cap or an environmental write-off of 10 percent on calculated allowable emissions to generate a benefit to the environment.

And two, EIPs for VOC -- which is Volatile
Organic Compounds -- or NOx sources controlled for
purposes of attaining the ozone standard cannot allow
averaging times longer than 30 days. The Agency's
proposal addresses these requirements.

USEPA also noted a few changes under the record keeping and reporting requirements, including the requirement that compliance records reflect the 30- day averaging period and the inclusion of annual hours of operation of emergency or standby units in nonemergency situations and provisions relating to NOx allowances, including but not limited to the prohibition on the use of NOx allowances to offset excess emissions within a non-attainment area -- and

10 1 that has an acronym also, NAA -- where such allowances 2 were generated outside of the NAA. In response to USEPA's recommendation 3 regarding the applicability thresholds and emissions 4 limitations and concentrations for various emission 5 6 units, based upon other states RACT assessments, the 7 Agency is proposing to lower the threshold from 100 8 tons per year to 50 tons per year for all source 9 categories and to lower the unit-rated heat input capacity applicability thresholds for emissions 10 limitations for industrial boilers and process heaters 11 12 from 100 million Btu per hour to 50 million Btu per 13 hour. 14 The Agency also proposes lowering some of the emissions concentrations for stationary 15 reciprocating internal combustion engines and 16 17 turbines. In addition, the Agency is proposing to 18 lower the emissions limitations for glass melting 19 20 furnaces commensurate with the emissions limitations 21 under the Federal Good Neighbor Plan. Lastly, the Agency is adding a requirement 22 23 for annual compliance certification reports upon

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USEPA's recommendation.

All right. Question 2 is: 1 MS. MEADE: 2 identifies several counties as part of the Chicago and Metro-East non-attainment areas. Are any of these 3 counties listed below, or parts of them, considered 4 areas of environmental justice concern? If so, how 5 would emissions reductions from the proposed rules 6 7 affect these environmental justice communities? 8 And I'll just go ahead and read through this 9 list of areas. Then when I'm done, you can answer, if that's okay. 10 11 MR. DAVIS: Okay. 12 MS. MEADE: In the Chicago non-attainment 13 area, we have Cook, DuPage, Kane, Lake, McHenry, and Will Counties; Aux Sable and Goose Lake Townships in 14 Grundy County; Oswego Township in Kendall County. And 15 in the Metro-East non-attainment area, we have 16 17 Madison, Monroe, and St. Clair Counties. MR. DAVIS: I do think you've identified 18 19 those correctly. However, the Agency will be 20 responding to these questions regarding environmental 21 justice in post hearing comments. The Agency's Office of Community Relations and EJ Officer were involved in 22 the Bureau of Air's outreach efforts, and we have not 23

had sufficient time to confer with them regarding

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1	these questions.
2	The Agency will also be available at the
3	second hearing to answer any follow-up questions.
4	MS. MEADE: Okay. So that includes
5	questions 3 through 5 as well?
6	MR. DAVIS: That's correct.
7	MS. MEADE: Moving on to question number 6,
8	IEPA states
9	HEARING OFFICER PAULEY: Excuse me one more
10	second. So you'll supply those written answers before
11	the second hearing?
12	MR. DAVIS: Yeah. Question 2, 3, 4, and 5
13	we will submit in writing.
14	HEARING OFFICER PAULEY: Sounds good. Thank
15	you.
16	MS. MEADE: Question 6 is IEPA states that
17	the "State of Illinois is not a party to the
18	underlying Good Neighbor litigation and did not seek
19	or receive a stay."
20	Does this statement reflect that the
21	Illinois Attorney General's Office is representing the
22	State of Illinois before the U.S. Court of Appeals for
23	the D.C. Circuit, the Supreme Court of the United
24	States, other federal courts, and in regulatory

1 proceedings and matters related to the Good Neighbor 2 Federal Implementation Plan? 3 MR. DAVIS: The Agency agrees that this statement is ambiguous and ultimately should have 4 5 simply indicated that the State did not seek or 6 receive a stay. 7 MS. MEADE: Okay. On August 5, 2024, USEPA 8 issued a memorandum outlining how it intends to comply with the U.S. Supreme Court's order staying the Good 9 Neighbor Plan pending completion of judicial review. 10 Does anything in this memorandum affect IEPA's 11 proposed regulations in this Pollution Control Board 12 rulemaking docket? 13 The Agency only considered 14 MR. DAVIS: No. some limits that were included in the Good Neighbor 15 16 Plan to assess what may be considered RACT for some 17 categories of units. Nothing in the memorandum impacts the Agency's proposed regulations. 18 19 MS. MEADE: Does anything in the U.S. 20 Supreme Court's decision cited by IEPA, any other 21 court ruling concerning the Good Neighbor Plan, or any USEPA Good Neighbor regulation do anything to reduce 22 the Board's authority to adopt air pollution 23 24 regulations in Illinois that are more stringent than

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1	the minimum requirements set by USEPA?
2	MR. DAVIS: Not to the Agency's knowledge.
3	MS. MEADE: Any follow-up questions? All
4	right. That would be it for us.
5	HEARING OFFICER PAULEY: All right. Thank
6	you very much. We'll give you guys a moment to
7	transfer with IERG to have them set up at the table.
8	Let me know when you guys are set.
9	MR. DAVIS: All set.
10	HARING OFFICER PAULEY: So if both parties
11	there are ready, then ERG, we can begin with your
12	first question.
13	MR. HUNTER: Hello. My name is Trejahn
14	Hunter, T-r-e-j-a-h-n H-u-n-t-e-r, and I am with the
15	Illinois Environmental Regulatory Group, also known as
16	IERG. I'm going to begin by asking some questions;
17	and there may be some follow-up questions, but I will
18	let you know when they're follow-up questions that are
19	separate from the questions listed in our prefiled
20	document.
21	The first area that I'd like to go through
22	is the Agency's Technical Support Document for this
23	proposal.
24	Ouestion 1: Is it correct that IISEPA

15 1 defines Reasonably Available Control Technology or "RACT" as "The lowest emission limitation that a 2 particular source is capable of meeting by the 3 4 application of control technology that is reasonably 5 available considering technological and economic feasibility"? 6 7 MR. DAVIS: Yes. 8 MR. HUNTER: How does the Agency define "a particular source" as utilized by USEPA in the above 9 definition? 10 The Agency believes that USEPA 11 MR. DAVIS: could have been referring to individual emission units 12 or an emission source with multiple emission units. 13 The Agency is not aware that it has ever attempted to 14 define a particular source. 15 16 MR. HUNTER: Thank you. Question 2: 17 correct that, under Sections 182(b) -- as in boy --(2) and 182(f) -- as in Frank -- of the Clean Air Act, 18 19 or "CAA," that State Implementation Plan, or SIP, RACT 20 provisions shall apply to major stationary sources of 21 oxides of nitrogen located specifically in a State's non-attainment areas, or "NAAs"? 22 23 MR. DAVIS: 24 Question 3: Would the Agency MR. HUNTER:

agree that Illinois' NOx RACT provisions to be approved into Illinois' SIP, as defined by USEPA and pertinent sections of the Clean Air Act must be determined specifically for major stationary sources of nitrogen oxide in the Chicago Metro-East non-attainment areas?

MR. DAVIS: Yes.

MR. HUNTER: Following up from that, what specific analysis did the Agency perform for major stationary sources of nitrogen oxides in the Chicago and Metro-East non-attainment areas resulting in the determination that the proposed emission limits are achievable by control techniques that are technically feasible and economically reasonable for the particular sources in the Chicago and Metro-East non-attainment areas?

MR. DAVIS: The Agency's analyses and reasoning for specific standards and limits are described in the Technical Support Document included in its rulemaking proposal. The Agency has also conducted outreach with potentially affected sources and has been in communication with particular sources that have indicated that there may be a need for additional flexibility in order to comply.

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1 MR. HUNTER: Question 3(b): Did the Agency 2 consider conducting source specific information requests prior to drafting the proposal to better 3 understand the technical and financial impacts that 4 the proposed revisions may have on probably affected 5 sources in the Chicago and Metro-East non-attainment 6 7 areas? 8 MR. DAVIS: The Agency conducted a thorough analysis of the information available to it about 9 potentially affected sources prior to and during the 10 drafting process for the proposed revisions. 11 Prior to 12 filing the rulemaking proposal, the Agency conducted outreach with potentially affected sources and reached 13 out to individual sources. The Agency continues to 14 discuss potential revisions with sources with which it 15 has been in communication. 16 17 MR. HUNTER: Question 3(c): What types of information did the Agency use to understand the 18 19 technical and financial impacts of the proposed 20 revisions on potentially affected source in the 21 Chicago and Metro-East non-attainment areas? 22 The agency used a wide array of MR. DAVIS: information available to it about potentially affected 23 sources in the non-attainment areas as well as the 24

1 references documented in the Technical Support 2 Document to analyze the technical and economic impacts 3 of the proposed revisions. 4 Information about the potentially affected 5 sources included unit types, historical emissions, historical unit utilizations, unit capacities, 6 7 emission rates, et cetera. 8 MR. HUNTER: To follow up, was that 9 information that you reviewed for units located in the Chicago and Metro-East non-attainment areas 10 specifically? 11 12 MR. DAVIS: Yes. Yes. The analysis was done on sources located in the non-attainment areas 13 and the individual units at those sources. 14 MR. HUNTER: Thank you. Question 3(d): 15 Before filing the proposal, did the Agency review 16 17 information regarding potentially affected sources that contradicts the Agency's determination that the 18 19 proposed emission limits are achievable by control 20 techniques that are technically feasible and 21 economically reasonable for particular sources in the Chicago and Metro-East non-attainment areas? 22 MR. DAVIS: As stated, the Agency has been 23 in communication with some individual sources that 24

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19 1 have indicated that the proposed revisions could pose 2 compliance challenges. 3 MR. HUNTER: To follow up, question 3(d)(i), 4 has the Agency amended the proposed revisions prior to 5 filing its proposal with the Board in light of any information that came before filing the proposal? 6 7 MR. DAVIS: The Agency did amend some 8 aspects of the proposed revisions in response to information received during outreach. 9 MR. HUNTER: So I would believe that your 10 answer to 3(e) would be the same, that you've spoken 11 to some sources that have indicated the potential need 12 for some compliance extensions or variance thereof, 13 14 right? MR. DAVIS: Yes. We are in communication 15 The Agency will continue to consider 16 with sources. 17 additional potential revisions. MR. HUNTER: How has -- in Question 3(e)(i), 18 19 how has the Agency thereafter determined what RACT is 20 for particular sources in the Chicago and Metro-East 21 non-attainment areas in light of that new information? The Agency has not changed its 22 MR. DAVIS: position on what constitutes RACT, which is the 23 definition of RACT. 24

20 1 But you agree that RACT is for MR. HUNTER: 2 particular sources, correct? 3 MR. DAVIS: Yes. Reasonably Yes. achievable. 4 5 MR. HUNTER: Question 4: Did the Agency consider any other economic factors for potentially 6 7 affected sources in the Chicago and Metro-East non-attainment areas beside the costs of adding 8 emission controls or implementing new control 9 strategies in its economic reasonableness analysis? 10 11 MR. DAVIS: Yes. MR. HUNTER: Could you specify what other 12 economic factors the Agency considered? 13 The Agency considered other 14 MR. DAVIS: economic factors such as remaining useful life of 15 emission units, marginal costs of additional controls 16 17 over existing controls. MR. HUNTER: Question 5: Is it correct 18 19 that, in the Agency's Appendix to the Technical 20 Support Document, there are approximately 60 potentially affected sources in the Chicago and 21 Metro-East non-attainment areas that the Agency has 22 identified as not having any economic impact from the 23 24 proposed revisions?

21 The Agency is not certain 1 MR. DAVIS: No. 2 what IERG is referring to with those 60 potentially affected sources. 3 4 MR. HUNTER: Would you like clarification? 5 MR. DAVIS: Sure. MR. HUNTER: We would like to follow up with 6 7 this question, if that's all right with you. 8 MR. DAVIS: Sure. 9 MR. HUNTER: Thank you. Question 6, can the Agency define "additional emission controls" and "new 10 control strategies" as applied on pages 4 and 5 of the 11 12 Technical Support Document? MR. DAVIS: "Additional emission controls" 13 and "new control strategies" refer to control 14 strategies and equipment not currently in place to 15 comply with existing Part 217 rules. 16 17 MR. HUNTER: In which specific categories did the Agency determine that all subject sources 18 19 could achieve compliance without additional emission 20 controls? 21 MR. DAVIS: The Agency determined that compliance with the proposed revisions is likely to be 22 achievable by all subject sources for glass melting 23 furnaces, cement and lime kilns, iron and steel and 24

22 1 aluminum manufacturing, and subpart M electrical 2 generation units. Are any of those listed 3 MR. HUNTER: categories -- are there sources located in the 4 5 Appendix of the Technical Support Document? To my knowledge, there are no 6 MR. DAVIS: 7 cement and lime kilns in the non-attainment areas. 8 Could you restate the question? 9 MR. HUNTER: Yeah. So are there any sources of nitrogen oxides that are listed in the categories 10 that you answered for Question 6 that are located in 11 the Appendix to the Technical Support Document? 12 There are glass melting 13 MR. DAVIS: Yes. furnaces and sources that would fall under the iron 14 and steel and aluminum manufacturing; and to my 15 knowledge, there are no longer any subpart M 16 17 electrical generation units or cement and lime kilns in the non-attainment areas. 18 19 MR. HUNTER: Now, circling back to Question 20 5 that we just recently skipped, is it correct that, 21 in the Agency's Appendix to the Technical Support Document, there are sources that you have identified 22 that will have -- that will not need to implement any 23 24 new control strategies?

1 MR. DAVIS: I believe we have, in our analysis, identified a number of sources. 2 know that there would be 60 of them, and I don't know 3 4 which ones you're referring to. 5 Moving on to Question 7, what MR. HUNTER: specific available information regarding NOx control 6 7 strategies has the Agency reviewed in drafting the 8 proposal? As stated, the Agency reviewed a 9 MR. DAVIS: wide array of information regarding NOx control 10 technologies that were referenced in the TSD. 11 are the menu of control options and a number of other 12 references in there. 13 Thank you. Question 8, at this 14 MR. HUNTER: time, how many Title V sources within the Chicago and 15 Metro-East non-attainment areas does the Agency expect 16 17 would be subject to the proposed revisions? So the Technical Support MR. DAVIS: 18 19 Document has an appendix, and I believe there are --20 I'm not certain as to the total number. I did have my 21 people run those sources, and 66 of them are Title V 22 sources. Next, I'd like to move on to 23 MR. HUNTER: 24 the proposed amendments to Part 217.150 concerning

24 1 applicability. Question 9, is it correct that lowering the 2 applicability threshold from 100 tons per year to 50 3 tons per year is not federally required at this time 4 but is instead intended to proactively address 5 potential future Clean Air Act requirements? 6 7 MR. DAVIS: Yes. 8 MR. HUNTER: Is it correct that the Agency -- excuse me. Question 9(a), is it correct that the 9 Agency cannot produce estimates for how many 10 newly subject sources there will be nor estimates for 11 the impact to NOx emission reductions that these newly 12 subject sources will have? 13 MR. DAVIS: The Agency's Appendix includes 14 sources that are potentially newly subject to the 15 It's difficult to estimate emission reductions 16 rule. 17 from the newly subject sources for the same reason given in response to -- yeah, we'll have to pull out a 18 -- we didn't know which was going to go first, but we 19 kind of wrote this for the Boards. 20 So estimates of actual emission reductions 21 22 from the proposed revisions is difficult to provide, because the proposed rules contain a number of 23 compliance flexibilities and options for sources to 24

25 1 limit source-wide and unit-specific emissions below Thus, it would be difficult 2 applicability thresholds. to estimate actual emission reductions rather than 3 potential or allowable emission reductions. 4 5 At a given source, the Agency may be able to evaluate what potential compliance options are 6 available or likely, but an attempt to aggregate 7 estimates of actual emission reductions from all the 8 9 potentially subject sources would involve a high degree of uncertainty. 10 MR. HUNTER: So in the Agency's opinion, are 11 these sources listed in the Appendix to the Technical 12 Support Document an exhaustive or comprehensive list 13 of the sources that the Agency believes will be 14 subject to the proposed revisions? 15 16 MR. DAVIS: Based on our analysis, we 17 believe so. I can give you some idea of how these analyses went. We have all of the sources in the 18 non-attainment areas that emit NOx. We then have 19 20 their emission units and their historical emissions, 21 what may be in permits as allowable emissions. So there were quite a few sources that, in 22 our database, may have said, you know, their allowable 23

emissions may have been 120 tons or 75 tons. When you

1 look at their actual emissions over the last few 2 years, they may have had zero emissions over the last 3 three years, so probably not potentially subject; or 4 they could have been in the range of 8 to 10 or 12 5 tons per year. I think that the potentially affected 6 7 sources that the Agency provided in the Appendix was 8 probably more than we think may be actually subject. 9 So while it may not be exhaustive, I think we are probably being conservative in the number that would 10 be subject. 11 12 MR. HUNTER: Just to follow up from your response, would you say that, although you believe 13 that you have been -- you've probably been 14 conservative in your estimate, would you say that 15 there's still a potential for there to be sources that 16 17 were not included that may be subject to the newly proposed revisions? 18 19 MR. DAVIS: I would say it would be very 20 unlikely. 21 MR. HUNTER: Okay. Thank you. 22 Unless, of course, we've just MR. DAVIS: missed something for another reason. 23 24 methodology behind our analysis should prevent

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27 1 something like that happening. 2 MR. HUNTER: Okay. Thank you. 3 9(b), I'd like to know how the Agency weighed the 4 interests of preemptively lowering the applicability threshold from 100 tons per year to 50 tons per year 5 against the unknown compliance capabilities by May 1 6 7 of 2025 and for what seems to be an unknown number of 8 potentially affected sources. 9 MR. DAVIS: The Agency conducted outreach and reached out to individual sources that it 10 determined may have -- and is this Question 9(b)? 11 12 MR. HUNTER: Correct. So we did conduct outreach and 13 MR. DAVIS: two individual sources that it determined may have 14 compliance issues to assess compliance capabilities 15 and to discuss potential compliance flexibilities with 16 17 those individual sources. MR. HUNTER: Thank you. I'm going to just 18 19 restate this question and see if it helps to get a 20 different response. I'm interested in hearing how the 21 Agency weighed the interests here of wanting to preemptively lower the applicability threshold, 22 considering a potential bump-up to serious 23

non-attainment versus these unknown compliance

28 1 capabilities and unknown potentially affected sources. 2 Does that question help? MR. DAVIS: Yeah. I don't know that I fully 3 understand. Well, I can say I'm not the Agency; and 4 5 so I don't know how the Agency would fully have weighed those. 6 7 Certainly, the lowering of the applicability 8 threshold from 100 to 50 tons per year on a 9 source-wide basis was proposed because we believe that both non-attainment areas will become serious possibly 10 as early as November this year. So in that case, we 11 12 would be back with another rulemaking quite shortly to meet those federal requirements. 13 And then in weighing that against the 14 unknown compliance capabilities, I don't believe that 15 we do have unknown compliance capabilities. 16 17 we did do a fairly thorough analysis of which sources we thought are newly -- would possibly be newly 18 19 subject and made an effort to assess their compliance 20 abilities. 21 So I don't know if they were unknown compliance capabilities. I think we did make efforts 22 to communicate with those sources that we thought may 23

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be caught between.

29 1 MR. HUNTER: To follow up from your 2 response, Rory, you mentioned that the bump-up to serious non-attainment could be as early as November, 3 4 has there been any USEPA action on this, or is it 5 possible that the bump-up could occur later, perhaps in 2025? 6 7 MR. DAVIS: Yeah. I should have caveated That was something I heard from yesterday from 8 9 USEPA, as early as November. Our attainment date was in August of this 10 When I have spoken to -- well, whoever I go 11 12 speaking to in groups and whatnot, when I get the question of when do we expect it, generally USEPA 13 takes six months to do anything. So November would be 14 early, but I think they are kind of trying to get 15 ahead of things. 16 17 The last bump-up -- and when I say "bump-up," I mean reclassification from. That would 18 19 have been from marginal non-attainment to moderate, 20 and this would have be a reclassification from 21 moderate to serious. The previous reclassification that we had, the attainment date was in August. 22

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reclassification happened in October of that following

was a full year to the next August, and the

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30 1 So that was over a year. 2 I do know that certain groups are unhappy about that; so I think USEPA is making an effort to 3 get those published in a more timely manner. 4 it could be well after November. The short answer to 5 the long explanation is we don't know how long it will 6 7 take for USEPA to publish the reclassification. 8 MR. HUNTER: Thank you for my next question, 9 I'd like to draw your attention to Part 217.152 of the proposed amendments concerning the compliance date and 10 the 30-day rolling average basis. 11 Question 10, has the Agency had any 12 communications with potentially affected sources who 13 have conveyed that they will need additional time for 14 capital planning, expenditures, permitting, installing 15 additional emission controls or testing devices, 16 17 resulting in the Agency's determination that an extension from the May 1, 2025, compliance date is 18 19 appropriate? 20 Yes, we have. MR. DAVIS: 21 MR. HUNTER: Will the opportunity to request a compliance date extension be available for other 22 23 potentially affected sources? However, anyone requesting 24 MR. DAVIS: Yes.

31 1 a later compliance deadline will need to sufficiently 2 demonstrate that necessity. 3 MR. HUNTER: How can sources take advantage 4 of this opportunity and demonstrate that sufficient 5 necessity? I think, in a number of cases, 6 MR. DAVIS: 7 sources that we've been in communication with have 8 already been doing just that. Generally, it would be 9 explaining what a capital project would look like, what that would result in, emission reductions that 10 would result from those, the amount of time that may 11 12 take, and also possible revisions to the proposed language that we have before the Board now. 13 Question 10(b), outside of --14 Q. Thank you. HEARING OFFICER PAULEY: Mr. Hunter, we have 15 16 a follow-up here. 17 MR. RAO: You just mentioned circumstances under which the compliance state may be extended, and 18 19 you did say there may be revisions to the rule. When 20 would those revisions be proposed? Would that be part of this rulemaking, or is it a different rulemaking? 21 The Agency anticipates within 22 MR. DAVIS: 23 this rulemaking. We have been working on language. 24 We were actually hoping to get it filed with the Board

32 1 prior to this hearing, and then, you know, we have 2 been working on responses to the comments that came in last Thursday. But we think we are relatively close 3 4 to having something to file soon. 5 MR. RAO: Before the second hearing? MR. DAVIS: 6 Yes. Yes. 7 MR. RAO: Thank you. 8 MR. DAVIS: And I can say that the Agency 9 again -- say again that the Agency will be available for testimony and questions at the second hearing. 10 11 HEARING OFFICER PAULEY: Mr. Hunter, go 12 ahead. In the proposed revisions that 13 MR. HUNTER: 14 you just spoke of in your follow-up response, does the Agency plan on including any other alternative 15 compliance options for potentially affected sources 16 17 who will need additional time from the May 1, 2025, compliance date? 18 19 MR. DAVIS: The agency is willing to 20 consider other alternative compliance options for 21 sources on a case-by-case basis. 22 MR. HUNTER: Thank you. For my next question, I'd like to draw your attention to Part 23 24 217.157 of the proposed amendments for testing and

33 1 monitoring. Question 11, is the Agency willing to revise 2 Section 217.157 to include that representative pair 3 testing is allowed where a source has identical 4 5 emission units during the normal five-year testing interval? 6 7 MR. DAVIS: The Agency is willing to 8 consider language for such testing if it is provided. 9 MR. HUNTER: Question 12, will the Agency require sources to specify in testing protocols and 10 subsequent testing reports whether testing was 11 12 performed at maximal operator capacity or normal maximum load in accordance with Sections 217.157(a) --13 14 as in apple -- (8) upper case (A) -- as in apple -and upper case (B) -- as in boy? 15 The Agency intended for the 16 MR. DAVIS: 17 testing protocols to remain unchanged from existing part 217 rules. 18 19 MR. HUNTER: To specify this question, will 20 sources be required to specify in their testing 21 protocols and in their testing reports whether the testing was performed at those particular levels? 22 Well, as I said, the Agency 23 MR. DAVIS: 24 intends for those protocols or that language to remain

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1 I do believe there's other possible ways that have already been submitted to the Agency. 2 involve alternatives that could possibly be approved 3 with Agency authorization, written Agency approval, as 4 5 we have in other parts of that same section. Moving on to Question 13, is 6 MR. HUNTER: 7 the Agency willing to revise and clarify Section 8 217.157(a) -- as in apple -- (4) to state that owners 9 or operators with emission units subject to the proposed rule have two options, to either install a 10 CEMS following 40 CFR 60 subpart A and appendix B, 11 Performance Specifications 2 and 3, and appendix F, 12 13 Quality Assurance Procedures, or conduct a performance 14 test? MR. DAVIS: The Agency believes that these 15 options are available to affected sources as currently 16 17 proposed in Sections 217.157(a)(4) and 217.157(a)(6). MR. HUNTER: Is the Agency willing to 18 include in Section 217.157(a)(4) the alternative 19 20 option of performing or conducting a performance test 21 that's found in (a)(6) and (a)(4), please? MR. DAVIS: When we were discussing the 22 response to this question, I think what we landed on 23 24 was we think that what is in the question is currently

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35 1 the intent of the Agency, to allow for that, and that 2 -- and I'm forgetting exactly how that language looks, but we do believe that the question refers to 3 something that the Agency intended to be a 4 5 possibility; and if that's not clear, then certainly we'd consider any language that would clarify that. 6 7 MR. HUNTER: Thank you. 8 MR. DAVIS: If necessary. Question 14, is the Agency 9 MR. HUNTER: willing to add a new subsection that would be (a)(8) 10 to Section 217.157 with language that provides owners 11 or operators with emission units subject to the 12 proposed rule the opportunity to submit alternative 13 monitoring plans where installing monitoring or 14 testing facilities for individual emission units is 15 not possible and those units further demonstrate 16 17 unique monitoring and performance testing situations? The Agency is willing to MR. DAVIS: 18 19 consider language that would allow for alternative 20 monitoring plans with prior written approval by the 21 Agency. 22 Thank you. Question 15, is the MR. HUNTER: 23 Agency willing to revise the performance test 24 operating level under Section 217.157(a) -- as in

1 apple -- (7) upper case (A) -- as in apple -- of the 2 proposed rule to be consistent with the operating level requirement for CEMS relative accuracy test 3 audits, or RATAS, which, under 40 CFR 60 Appendix B, 4 Performance Specification 2, Section 8.4.1 requires 5 operators of emission units equipped with CEMS to 6 7 conduct a RATA annually at a level greater than 50% of normal load? 8 9 MR. DAVIS: The Agency does not agree that the requirements for a RATA are equivalent to 10 requirements to perform emissions testing at maximum 11 12 operating capacity load or normal maximum load. Emissions tests pursuant to Section 217.157(a)(8)(A) 13 -- capital A for the last A -- are for units not being 14 15 monitored by CEMS. 16 A RATA functions to ensure that the CEMS is 17 accurately monitoring NOx emissions at various capacity factors and has no connection to the load 18 19 threshold required for emissions testing. 20 Emissions testing, in general, is always 21 performed at or near maximum capacity to measure 22 potential worst case emission scenarios. Thank you. Question 16, is the 23 MR. HUNTER: 24 Agency willing to revise Section 217.157(d) of the

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1	proposed rule to provide similar flexibility for
2	multiple heaters venting to a common stack relying on
3	a performance test? More specifically, is the Agency
4	willing to revise Section 217.157(d) of the proposed
5	rule to include that:
6	"If two or more emission units
7	subject to Subpart E, F, G, H, I, M,
8	or Q of this Part are served by a
9	common stack and the owner or
10	operator of such emission units is
11	conducting a performance test, the
12	owner or operator may, with written
13	approval from the Agency, utilize a
14	single performance test for the
15	combination of emission units
16	subject to Subpart E, F, G, H, I, M,
17	or Q of this Part that share the
18	common stack, provided such emission
19	units are subject to an emissions
20	averaging plan under this Part."
21	MR. DAVIS: The Agency is still considering
22	this revision.
23	MR. HUNTER: Question 17, is the Agency
24	willing to revise Section 217.157 of the proposed rule

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1 to provide for a reduction in the reporting burden in such scenarios where a facility with emission units 2 that are individually compliant with the emission 3 4 limits but are using a common stack and thus subject to subsection (d), which implies the requirement of 5 using an emission averaging plan and thus the 6 7 reporting requirements that come from using an 8 emission averaging plan? 9 MR. DAVIS: The Agency is also still considering that revision. And the next question to 10 answer is the same. 11 Question 18 is the same? 12 MR. HUNTER: 17(a), the follow-up. 13 MR. DAVIS: Thank you. If it's all right 14 MR. HUNTER: with the Hearing Officer, I'd like to ask a question 15 that came in after the prefiled questions deadline. 16 17 HEARING OFFICER PAULEY: Yeah, that's fine. MR. HUNTER: Thank you. This is still for 18 19 the same section concerning testing and monitoring, 20 Part 217.157. 21 Can the Agency clarify the compliance and reporting requirements for units that may take months 22 or even years to produce 30 operating days to 23 calculate actual emission units where these units are 24

39 1 not emergency or standby units? 2 MR. DAVIS: So the question is can we 3 clarify how an emissions averaging period would be 4 defined if it were to take multiple months or years in 5 order to have 30 operating days to have in the averaging period? 6 7 MR. HUNTER: Correct. 8 MR. DAVIS: I think we can respond to that 9 in writing and give that some consideration in the Certainly, like I said, we have had these 10 11 kinds of provisions or averaging periods in other 12 rules. My first thought on it is, if we weren't 13 getting 30 operating days within a year, it would be 14 unlikely that the units that I have been looking at 15 would emit greater than 15 tons in a year, if we're 16 17 talked about a boiler or process heater. talking about engines, turbines, then I think we'd 18 19 have to consider how we could clarify that. 20 MR. HUNTER: Okay. I'd like to move forward 21 to Question 18, where I'll draw your attention to part 217.158 of the proposed amendments concerning emission 22 averaging plans. 23 24 Question 18, how many entities comply with

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1	the current part 217 by using the emission averaging
2	provisions in Section 217.154?
3	MR. DAVIS: The Agency is aware of four
4	sources that currently comply using emissions
5	averaging.
6	MR. HUNTER: How many entities currently
7	conduct emission averaging amongst emission units
8	within a single facility, or "intra-site"?
9	MR. DAVIS: All four of those.
10	MR. HUNTER: So Question 20, how many
11	entities currently conduct emission averaging amongst
12	emission units situated at multiple facilities, or
13	"intra-site"?
14	MR. DAVIS: Currently none that we are aware
15	of.
16	MR. HUNTER: Question 21, USEPA indicated
17	that an emission averaging plan is a type of Economic
18	Incentive Program, correct?
19	MR. DAVIS: Yes.
20	MR. HUNTER: Question 21(a), did the Agency
21	consider proposing the alternative EIP option of
22	requiring source specific emission caps as opposed to
23	the environmental write-off of 10 percent on
24	calculated allowable emissions?

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1	MR. DAVIS: The Agency did not consider
2	emission caps instead of a write-off of 10 percent.
3	MR. HUNTER: Can the Agency clarify why not?
4	MR. DAVIS: Well, I believe the EIPs call
5	for and I think this came up in a previous
6	question. The EIP guidance calls for a 10 percent
7	you call it a write-off. Could be called an
8	environmental benefit, factor, something like that
9	but a 10 percent environmental benefit in averaging
LO	plans that are set for emission caps or for emissions
L1	averaging.
L2	To clarify, an emission cap based on
L3	historical average emissions would be an EIP as much
L <b>4</b>	as an emissions averaging plan would be an EIP.
L5	MR. HUNTER: Is the alternative EIP option
L6	of requiring source specific emission caps a viable
L7	option?
L8	MR. DAVIS: The Agency believes that
L9	emission caps could be an acceptable compliance option
20	and would consider suggested language that would be
21	approvable in a State implementation plan revision.
22	MR. HUNTER: Is the Agency willing to
23	explain how a source specific emissions cap would
24	work?

1	MR. DAVIS: We are considering at least two
2	suggested cap methodologies that have been that
3	we've gotten through communications with sources. And
4	so I can't explain exactly how those calculations
5	would be performed to come to a cap, but we are
6	considering emissions caps as something to put in
7	front of the USEPA as far as what would be approvable.
8	And like I said, hopefully we'll be able to have
9	something to the Board soon, if we can work something
10	like that out.
11	MR. HUNTER: Regarding the 10 percent
12	environmental write-off or environmental benefit for
13	emission averaging, does that provision apply to
14	intra-site averaging, inter-site averaging, or both?
15	MR. DAVIS: It applies to both. The draft
16	USEPA guidance for EIPs and USEPA Region 5 staff both
17	indicate that a 10% environmental benefit factor is
18	required for both types of averaging plans. The
19	Agency is in agreement. And any SIP provision not
20	following the guidance is unlikely to be approved by
21	USEPA.
22	MR. HUNTER: Thank you. Question 21(d), the
23	Agency reviewed NOx RACT rules of other states in
24	formulating its proposal, including Ohio and

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1	Wisconsin, correct?
2	MR. DAVIS: Yes.
3	MR. HUNTER: Did the Agency review emission-
4	averaging provisions from other states?
5	MR. DAVIS: Yes.
6	MR. HUNTER: If so, which states?
7	MR. DAVIS: We did review Ohio, Wisconsin, I
8	believe Michigan, among others. We looked at quite a
9	few states.
10	MR. HUNTER: For which reviewed states do
11	the emission-averaging provisions include 10%
12	write-off, and for which do they not include a 10%
13	write-off?
14	MR. DAVIS: So Ohio requires emissions-
15	averaging plans to be submitted to and approved by
16	USEPA as a SIP provision.
17	USEPA Region 5 has indicated that it will
18	not be approving emissions-averaging plans from Ohio
19	that don't include a 10% environmental benefit. So in
20	the Ohio regulations themselves sorry. In those
21	regulations, they do not include that; but USEPA has
22	said, in the approval process, that will apply.
23	Wisconsin includes a 10% factor for
24	intersource averaging plans. It does not include a

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1	10% factor for single-source averaging plans.
2	However, USEPA Region 5 has conveyed to the Agency
3	that Wisconsin's NOx RACT rules have not been approved
4	for the 2015 ozone standard and that their averaging
5	plans will need to include a 10% environmental benefit
6	to be approved as RACT.
7	MR. HUNTER: In the Agency's opinion, has
8	the 10% environmental benefit been applied
9	consistently in SIPs approved since the EIP was issued
10	in 2001?
11	MR. DAVIS: Perhaps not. And Illinois
12	sources may have benefited from less stringent
13	requirements under the existing Part 217 rules, but
14	the Agency believes that it will be applied
15	consistently going forward.
16	MR. HUNTER: Thank you. Question 22, is the
17	Agency amenable to revising the proposal to include
18	alternative emission rates or plans for sources with
19	varying emission rates between normal operations and
20	unit down time operations during routine control
21	device maintenance?
22	MR. DAVIS: The Agency is amenable to
23	alternatives that would constitute RACT, are
24	sufficiently tailored and would be approvable as a

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1	SIP provision.
2	MR. HUNTER: Is this another situation where
3	you would like language to be proposed?
4	MR. DAVIS: Suggested language is always
5	helpful as a starting point if sources have specific
6	alternatives in mind.
7	MR. HUNTER: Question 23, is it correct
8	that, during the Agency's pre-proposal outreach, IERG
9	submitted comments to the Agency on the pre-proposal
10	draft revisions where IERG encouraged the Agency to
11	keep essential petroleum refinery maintenance
12	turnaround, or "TA," exclusions in Sections 217.158(h)
13	and (j) rather than eliminate them?
14	MR. DAVIS: Yes.
15	MR. HUNTER: What was the Agency's reasoning
16	for not granting this request?
17	MR. DAVIS: These provisions allowed for
18	periods during which no emission limits apply.
19	Illinois EPA proposed and the Board has recently
20	adopted revisions to remove these types of start up,
21	shut down, malfunction exceptions. Illinois EPA
22	proposed to remove these per USEPA direction.
23	MR. HUNTER: When first adopted, what was
<b>1</b>	the enjoyers werd and displiftmention for implication

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1	these TA provisions?
2	MR. DAVIS: The need for these provisions is
3	due to a scenario in which some units with lower
4	emission rates with respect to unit-specific RACT
5	emission limits in an averaging plan could be out of
6	operation during turnaround periods. Compliance
7	calculations for the averaging plan would then result
8	in higher emission rates on a pound per million Btu
9	basis.
LO	MR. HUNTER: Since their adoption, have
L1	these TA provisions been used by regulated petroleum
L2	refineries?
L3	MR. DAVIS: Yes, I believe so.
L <b>4</b>	MR. HUNTER: And I believe that you've
L5	sufficiently answered subquestion (d); so I'm going to
L6	move on to part 217.170 of the proposed amendments
L7	concerning industrial boiler applicability exemptions.
L8	Question 24, is it correct that, during the
L9	Agency's preproposal outreach, IERG submitted comments
20	to the Agency on the pre-proposal draft amendment
21	revisions where IERG encouraged the Agency to keep
22	essential back-up fuel exemptions?
23	MR. DAVIS: Yes.
24	MR. HUNTER: What was the Agency's reasoning

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1	for not granting this request?
2	MR. DAVIS: The Agency has not foreclosed
3	the possibility of including such a provision. The
4	Agency is considering suggested language provided by a
5	potentially affected source currently.
6	MR. HUNTER: Thank you. I'll now draw your
7	attention to Part 217.390 of the proposed amendments
8	concerning stationary reciprocating internal
9	combustion engines and turbines emissions averaging
10	plans.
11	Is it correct that, during the Agency's
12	pre-proposal outreach, IERG submitted comments to the
13	Agency on the pre-proposal draft amendment revisions
14	where IERG encouraged the Agency to allow for the use
15	of emission equations in Section 217.390 which are
16	already in place and required under 40 CFR Part 75 for
17	sources that already fall under those reporting
18	requirements?
19	MR. DAVIS: Yes.
20	MR. HUNTER: What was the Agency's reason
21	for not granting this request?
22	MR. DAVIS: Again, the Agency has not
23	foreclosed on the possibility of including such
24	provisions and would consider specific language to

48 1 allow for alternative emission equations. 2 MR. HUNTER: Thank you. Hearing officer, if it's all right, I'd like to ask another question that 3 4 was filed with us after the prefiled questions deadline. 5 HEARING OFFICER PAULEY: I think that's 6 7 okay. 8 MR. HUNTER: This is still concerning 9 stationary RICE and turbines. The question is: Is the Agency amenable to adding a new subsection under 10 subpart (q ) Section 217.386 A-52 upper case (C) --11 this would be the new subsection -- for the 12 applicability of stationary RICE and turbines 13 providing that an emission unit emits 15 tons or more 14 of NOx to the atmosphere per calendar year, which is 15 identical to the applicability language found in 16 17 subsection 217.150 (a) -- as in apple -- (2) upper case (B) -- as in boy -- for subparts E, F, G, H, I, 18 19 and M? 20 MR. DAVIS: I believe the answer would be 21 the Agency would consider it. And again, suggested language would be helpful. And in that case, I think 22 the Agency would also have to consult with Region 5 to 23 24 see if that would be approvable as a SIP.

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1 MR. HUNTER: Okay. Thank you. I'll draw your attention to Subpart (U), NOx control and trading 2 program for specified NOx generating units in the 3 4 proposed amendments. Is it correct that, during the Agency's 5 pre-proposal outreach, IERG submitted comments to the 6 7 Agency on the pre-proposal draft amendment revisions 8 where IERG encouraged the Agency to revise the requirements in Subpart (U) to incorporate additional 9 monitoring and reporting flexibility provided five 10 years ago by USEPA for non-electric generating units, 11 12 or "non-EGUs," with design heat input greater than 250 13 mmBtu per hour? 14 MR. DAVIS: Yes. What was the Agency's reasoning 15 MR. HUNTER: for not granting this request? 16 17 MR. DAVIS: The Agency discussed the inclusion of this amendments with USEPA, and by way of 18 19 -- well, we were informed that, while these kind of 20 revisions would not necessarily be unapprovable, it 21 would be better for us to submit our SIP -- sorry --22 submit the NOx rules on their own as a SIP provision. By way of background, in 1998, USEPA 23 finalized the NOx SIP Call, which addressed interstate 24

transport obligations for the 1979 one-hour ozone NAAQS. NAAQS is the National Ambient Air Quantity Standards. The NOx Sip Call created a NOx budget trading program for both EGUs and non-EGUs.

Since 1998, USEPA has moved to progressively more stringent trading programs for progressively more stringent ozone NAAQS.

After the NOx Sip Call, USEPA promulgated the Clean Air Interstate Rule, or "CARE," and the Cross State Air Pollution Rule and, most recently, the Good Neighbor Plan.

The newer programs have replaced much but not all of the older programs. Although some programs like CARE no longer exist and although USEPA no longer implements the NOx Budget Trading Program that was originally part of the NOx SIP CALL, the requirements of the NOx Sip Call continue to apply to these non-EGUs. Basically, states must ensure that the non-EGUs stay within the previous emissions budgets.

The NOx Sip Call requirements have included requirements for Part 75 continuous monitoring CEMS, continuous emissions monitoring systems, as years ago, this data was needed for the NOx Budget Trading Program.

#### **HEARING**

Upon discontinuation of the NOx Budget
Trading Program, there was no longer any use for
continuous data, and sources began pointing out to
USEPA that they were still being required to implement
relatively more expensive monitoring processes even
though the continuous data was no longer being used.

In 2019, USEPA revised the national SIP Call Rule to allow states to revise their NOx SIP Call rules and submit to USEPA for approval into their SIP and to allow alternative monitoring approaches such as 40 CFR Part 60 that are generally less costly.

USEPA encourages Illinois to work with Region 5 to revise the state's NOx SIP Call rules and rescind the CARE rules, as other Region 5 states are currently doing.

USEPA informed the Agency that, while the Part 217 proposal is currently before the Board, the NOx SIP Call obligations are different requirements from the NOx RACT requirements, and there may be additional delays in attempting to combine such proposals given that any Subpart (U) amendments would require approval from headquarters, USEPA headquarters, in addition to the Clean Air Markets Division.

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1 Accordingly, given that USEPA has taken final action that Illinois has failed to submit SIP 2 revisions for the NOx RACT requirements, to avoid any 3 additional risk and delays by addressing NOx SIP Call 4 5 requirements in conjunction with the current rulemaking addressing the RACT requirements, the 6 7 Agency decided to move forward with just the NOx RACT 8 requirements at this time. 9 MR. HUNTER: Thank you. To follow up, how would the Agency encourage sources who are still 10 looking to incorporate this additional monitoring of 11 12 reporting flexibility into the rulemaking or into a subsequent rulemaking -- how would those sources go 13 14 about that? MR. DAVIS: So it's possible that the Agency 15 would propose a new rulemaking, and then there is 16 17 always the ability for individual sources or groups of sources to propose their own rulemakings to the Board. 18 19 MR. HUNTER: Thank you. The last section of 20 questions is not related to any specific section of 21 the proposal. These are general questions. it's all right with the hearing officer, I'd like a 22 moment just to confer with my co-counsel and my 23 24 clients just to see if there's any additional

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1	follow-ups.
2	HEARING OFFICER PAULEY: Sounds good.
3	MR. HUNTER: Question 27: Is it correct
4	that Illinois EPA became aware of Illinois' NOx RACT
5	SIP submittal deficiencies as early as 2011 and,
6	thereafter, withdrew the submittals?
7	MR. DAVIS: Yes.
8	MR. HUNTER: Is it correct that the Chicago
9	and St. Louis redesignations to moderate
LO	non-attainment for the 2015 ozone standards were based
L1	on air monitoring data from the 2018 to 2020 calendar
L2	years?
L3	MR. DAVIS: Yes.
L4	MR. HUNTER: What factors have led to the
L5	Agency's Part 217 NOx RACT revisions being proposed
L6	now, in 2024, rather than at an earlier date?
L7	MR. DAVIS: The Agency has been working on a
L8	proposal for several years. The proposal was delayed
L9	due to a number of factors, including staff attrition,
20	available resources, and other state implementation
21	planning requirements in recent years.
22	Also, during certain periods, the Agency had
23	NOx RACT waivers that temporarily eliminated the
24	requirement to submit NOx RACT provisions.

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1	MR. HUNTER: Thank you. Can the Agency
2	provide Illinois' regulated community guidance and
3	assurance about its intentions to timely consider
4	construct outreach, and propose future federally
5	required air rulemakings?
6	MR. DAVIS: Yes. The Agency is committed to
7	outreach and cooperation with all stakeholders,
8	including the regulated community, in timely manner
9	for future federally required rulemakings. In fact,
10	the Agency's current proposal lowers the applicability
11	threshold to help ensure future Clean Air Act
12	requirements for serious non-attainment areas are met
13	in a timely manner.
14	MR. HUNTER: Thank you. Hearing officer,
15	could we go off the record for a moment?
16	HEARING OFFICER PAULEY: Yes.
17	(Discussion held off the record.)
18	HEARING OFFICER PAULEY: Back on the record.
19	So we were just discussing procedurally if we were
20	going to take a quick little break so they could
21	discuss with their clients. We'll come back on the
22	record at 11:20. That's seven minutes from now. And
23	we'll see everybody then. Thanks.
24	(Recess in proceedings.)

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1	HEARING OFFICER PAULEY: Back on the record.
2	Mr. Hunter, did you guys have any additional questions
3	to ask?
4	MR. HUNTER: Yes, we do. We've got a
5	handful of questions we'd like to ask.
6	HEARING OFFICER PAULEY: Go ahead.
7	MR. HUNTER: Under Section 217.150
8	concerning the applicability threshold for 15 tons per
9	year, can you move in and out of being subject to this
10	applicability from year to year?
11	MR. DAVIS: I may need some clarification on
12	in what way you might be moving in and out, but 150(B)
13	does seem to be a once-in-always-in provision that
14	would say, if you have emitted greater than 15 tons
15	per year and were subject to this, that you would
16	continue to be subject to it.
17	MR. HUNTER: Does that subsection you just
18	mentioned, 150(B), specifically state that, once you
19	are subject to the rule, you will always be subject to
20	the rule; or is there a possibility that one year you
21	may be subject to this applicability threshold,
22	producing 15 tons or more of NOx, and then the
23	subsequent year you may be below that?
24	MR. DAVIS: Generally, the Agency has read

56 1 that as -- and the wording is, If a source ceases to fulfill the emissions criteria of Subsection A of this 2 subsection, the requirements of a number of subparts 3 4 there continue to apply to any emission unit that was 5 ever subject to the provisions of any of those 6 subparts. 7 So subparts E, F, G, H, I, and M are the 8 subparts that contain the emission limits. 9 would be subject to those emission limits, and they would continue to apply to any emission unit that was 10 ever subject to the provisions of any of those 11 individual emission limit subparts. 12 MR. HUNTER: For units that are below this 13 14 15 ton per year applicability threshold, do those need to be federally enforceable? 15 16 MR. DAVIS: Do you mean that, in order to 17 not be subject, that the limits would have to be specified in a federally enforceable permit prior to 18 19 not being subject? 20 MR. HUNTER: Correct. 21 MR. DAVIS: I don't believe that's how it works, or I don't believe that's how the Agency would 22 23 interpret that. 24 For instance, if a unit at a source that, on

57 1 a source-wide basis, was greater than the 50 ton per 2 year applicability threshold for the source, if they had a unit that was historically emitting, say, 7 tons 3 per year and continues to do about that and doesn't 4 exceed that 15 tons per year, I don't think it would 5 be necessary for that unit, in order to not be 6 7 subject, to have a federally enforceable limit of 15 8 tons per year in its permit. 9 But if that source were to have a permitting transaction in the future, say a cap or Title V permit 10 renewal, I'm sure that the permit section at the 11 12 Agency may want to talk to the source about putting in a nonapplicability provision in the permit on a 13 case-by-case basis. I can't say that we would 14 absolutely require it to go into a permit. 15 16 MR. HUNTER: Concerning technical 17 feasibility and economic reasonableness, is timing taken into consideration for what is technically 18 19 feasible or what's economically reasonable? 20 MR. DAVIS: Yes. 21 MR. HUNTER: In what way? 22 So the Agency would acknowledge MR. DAVIS: that, you know, some things may be technically 23 24 feasible for a source to apply control technology and

that that technology could be absolutely economically reasonable, but perhaps not by a certain date that could really impose additional costs.

Also, technical feasibility may include the time it takes to conduct engineering studies, to get a construction permit before the Agency, and then the time to construct those -- you know, if there were capital projects that were required, the timing would definitely play into the technical feasibility.

And for the same reason, everybody can -with unlimited resources, everybody could work around
the clock and get a lot of things done, but the timing
would also play with the economic reasonableness also.

MR. HUNTER: As a follow-up to our discussion in the technical support document, you mentioned that there were some sources that you were in communications with where you've identified that there was a potential need for extensions or some sort of alternative compliance plan.

What number of sources or what percentage or what quantity of sources would the Agency need to analyze in order to determine that the NOx requirements are too stringent or that the level of -- that the NOx RACT is not actually NOx for the

59 1 stationary sources, major stationary sources, in 2 Chicago and Metro-East non-attainment areas? 3 MR. DAVIS: I think what you mean was 4 actually RACT. 5 MR. HUNTER: What did I say? "Actually NOx." 6 MR. DAVIS: 7 I don't believe that we would come up with 8 some kind of percentage proportion or tipping point where there was a number of sources that had issues 9 with what we had proposed as RACT, that we would 10 change our determination of what constitutes RACT. 11 Ι 12 think that's where you're going. So the RACT requirements -- and again, I 13 should say that we are looking at several sources on a 14 case-by-case basis to determine that, you know, 15 whatever revisions may be necessary actually 16 17 constitute RACT and that they are reasonable. And so I don't think we can -- I don't think 18 19 there's a proportion of sources or a number of sources 20 that would make us reconsider what we believe to be 21 RACT as far as the emission limits. As far as the timing, I think there are case-by-case, I guess, 22 23 material that sources could provide us. 24 I can say that the Agency has not wanted to

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1 revise the compliance date that it's given, and that 2 is for SIP approvability. As far as specific dates that could be extended, we would like to keep that on 3 a case-by-case basis also because USEPA will not be 4 able to act on our SIP submittal until the compliance 5 6 dates, the general compliance date, for the proposal 7 has passed. Thank you. 8 MR. HUNTER: For newly subject 9 sources that are going to come into the rule from the lower applicability threshold, from 100 tons per year 10 11 to 50 tons per year, prepreemptively for the future 12 bump-up or redesignation to serious non-attainment, will those sources be subject to the rule starting 13 May 1, 2025? 14 15 MR. DAVIS: As proposed, yes. 16 MR. HUNTER: Are you considering any changes 17 at this time? We have been in communication MR. DAVIS: 18 19 with some newly subject sources. And so, yeah, we are 20 considering potentially alternative compliance dates 21 for specific units. Thank you. Concerning other 22 MR. HUNTER: states' SIP submittal deficiencies, have Ohio or 23 Wisconsin received any deficiency letters similar to 24

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1	what Illinois received in 2011?
2	MR. DAVIS: In 2011?
3	MR. HUNTER: Correct.
4	MR. DAVIS: That I don't know. I would only
5	be speculating. I don't know that they have.
6	MR. HUNTER: Concerning the maintenance
7	turnaround provision, you mentioned in your response
8	that this was SSM tied; however, here obviously this
9	is a NOx RACT rulemaking.
10	I'm wondering: Did the SSM SIP Call say
11	anything or excuse me did the SIP Call for NOx
12	refer to anything about the turnaround provision
13	language as a deficiency, leaving that in as a
14	deficiency, or something that needed to be removed for
15	SIP submittal approval?
16	MR. DAVIS: No. The deficiencies that were
17	pointed out in that letter predated the SSM SIP Call;
18	so they would not have been in there.
19	MR. HUNTER: Is the removal of the
20	turnaround provision in the NOx RACT proposal a
21	request from USEPA?
22	MR. DAVIS: Was it a request from USEPA?
23	MR. HUNTER: Is it a request from USEPA for
24	this NOx RACT SIP submittal?

62 1 Yes. Do you have that in MR. DAVIS: 2 Is there something that you can provide the public demonstrating that this was a requirement of 3 the NOx RACT SIP submittal? 4 MR. DAVIS: We'd have to check whether that 5 would have been written or in an email or maybe a 6 7 comment to a draft that we informally gave to them. 8 I don't know in what form that guidance, that advice, 9 their input on those provisions came, but we can check into that. 10 Would it be appropriate 11 MR. HUNTER: Yeah. 12 or would you be open to sharing what USEPA has requested concerning the maintenance turnaround 13 provisions similar to how you shared the other 14 15 deficiencies for the SIP submittal? 16 MR. DAVIS: Yeah. What we have, if we have 17 something in writing to that effect, we should be able to produce or give when we do our other responses in 18 19 writing to this hearing. 20 Under Subpart U, can the Agency MR. HUNTER: 21 submit two SIP submittals within one rulemaking? 22 MS. VETTERHOFFER: Could you state that 23 again? 24 MR. HUNTER: Yeah. While the Agency is

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1	conducting one rulemaking, is it possible for the
2	Agency to submit two separate SIP submittals to USEPA?
3	MS. VETTERHOFFER: Could you clarify what
4	you mean by that?
5	MR. HUNTER: Yes. So in the event that the
6	Agency is working on a rulemaking and there are two
7	there's one body of information that they'd like to
8	submit for SIP approval and there is another body that
9	is still being teased out and they would like to later
LO	submit as part of their SIP submittal, is that
L1	possible?
L2	MR. DAVIS: You mean could we submit certain
L3	portions of the rule in a submittal for NOx RACT
L <b>4</b>	requirements
L5	MR. HUNTER: Correct.
L6	MR. DAVIS: and then possibly have other
L7	parts of 217 be revised that we would not be
L8	submitting as a SIP submittal and then later submit
L9	that as a SIP submittal for those, for instance,
20	monitoring requirements?
21	MR. HUNTER: Correct.
22	MR. DAVIS: I think we would have to check
23	into the impact that would have on whether lessening
24	and I think I know where this is going lessening

1	the stringency of monitoring requirements for some of
2	the non-EGUs would be seen as a whole package, because
3	we need to submit all of 217 as far as our NOx RACT.
4	And then would the USEPA ignore those specific
5	provisions for the time being? I don't know. I'm not
6	certain about that; but I think I get the gist of your
7	question, and it's something we can look into.
8	At this point, I would say it's not
9	something we've done before. And we have submitted
10	specific sections of rules, not in 2017, but I can
11	think of Part 225 where we kind of picked and chose
12	which sections we were submitting as a SIP. But I
13	don't know that they would see that kind of you
14	know, choosing only certain provisions would be
15	acceptable to them. But we can consider that.
16	MR. HUNTER: Okay. Thank you. Just a few
17	more questions.
18	Does the Technical Support Document, the
19	Appendix, listing potentially affected sources include
20	a list of all sources, including those that have
21	historically had actual emissions less than 15 tons
22	per year but the potential to emit 15 tons per year?
23	MR. DAVIS: The appendix is based on, I
24	believe, three-year average of the last three years;

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1 and generally, we were evaluating those sources 2 against the source-wide average -- or not average -the source-wide applicability threshold of 50 tons. 3 4 And I think, in the Chicago non-attainment area, we go 5 down to about 25 tons. 6 So the question was? 7 Does the Technical Support MR. HUNTER: 8 Document or that appendix list those sources? 9 MR. DAVIS: Going down to? Actual emissions of less than 10 MR. HUNTER: 11 15 tons per year but potential to emit 15 tons per 12 year. Well, like I said, the unit 13 MR. DAVIS: applicability is the 15. Certainly -- so no, if there 14 were a source, for instance, that were a single-unit 15 source and they emitted 15 tons per year or greater, 16 17 say 20, that would not be included here because we would not expect for them to be subject because they 18 19 are below the source applicability threshold of 50 20 tons per year. 21 MR. HUNTER: To follow up, are there sources listed in that list that have actual emissions of less 22 than 15 tons per year but the potential to emit 50 23 24 tons per year or more?

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1	MR. DAVIS: There are.
2	MR. HUNTER: Thank you. Question 2 or
3	really like 30, has IEPA reached out to all
4	potentially affected sources at this time?
5	MR. DAVIS: We believe so. I don't know
6	that the question is about all potentially affected
7	sources?
8	MR. HUNTER: Yeah. To get to where I'm
9	going with this question please ignore my previous
10	question.
11	Have you reached out to potentially affected
12	sources with the potential to emit 15 tons per year
13	but historically have had actual emissions less than
14	10 tons per year?
15	MR. DAVIS: We likely have not reached out
16	on an individual basis.
17	MR. HUNTER: I'm sorry. Could you repeat
18	that?
19	MR. DAVIS: We likely have not done outreach
20	on a source-specific basis to those sources. There
21	are a great number of sources. You know, certainly
22	the Board does outreach and does public notice for the
23	rulemakings.
24	MR. HUNTER: If a source has historical

1 actual emissions less than 15 tons per year, if, in a 2 future year, emissions exceeds that 15 tons per year, when would a source first be required to comply with 3 unit-specific emissions standards? 4 MR. DAVIS: And I think I should go back to 5 what I was saying about a source and 15. 6 7 where the applicability threshold is. It's 50. 8 that the question? Are we asking about 50, or are we 9 asking about 15 being the unit at a source that has emitted 50? Is this a once-in-always-in question? 10 Just a specific unit. 11 MR. HUNTER: 12 MR. DAVIS: So not at 15 tons, but yes, I believe that, if a source were to be subject based on 13 the 50 ton per year applicability threshold, that they 14 again would be subject in the future. 15 16 MR. HUNTER: And when would they become 17 subject? For newly subject sources that MR. DAVIS: 18 19 had not previously been part of 150(A), I believe that 20 was -- and then (B) would apply to sources that had 21 been subject and will remain subject. So I believe they would begin being subject on May 1 of 2025. 22 So in a hypothetical situation 23 MR. HUNTER: 24 where a source begins to emit 15 tons per year -- or a

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68 1 particular unit begins to emit 15 tons per year or more, let's say, in 2026, at what point would that 2 particular unit become subject to the rule? Would it 3 4 be immediate, or would there be some time thereafter 5 where that source becomes subject to the rule? I think we may have to confer to 6 MR. DAVIS: 7 see what the Agency's interpretation of that would be. 8 I don't think that we have an ironclad answer for you 9 as we sit here. But to clarify, you're talking now about a 10 specific unit starting in 2025. 11 So that would be 15 12 tons per year would make you subject. And I believe that the way that the rule is written is you are 13 subject in the year that you emit 15 tons. 14 All right. Just a few more 15 MR. HUNTER: questions on the maintenance turnaround provisions, if 16 17 that's all right. Then we will wrap up our questions. You referred to the maintenance turnaround 18 19 provisions as being similar to SSM provisions. 20 the maintenance turnaround provision in Part 217 21 addressed in the SSM SIP Call? 22 MR. DAVIS: It was not. Would IEPA consider an entire 23 MR. HUNTER: 24 turnaround event as being a startup, shutdown, or

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1	malfunction?
2	MR. DAVIS: I don't think that we would call
3	it a startup or possibly a shutdown. It's a shutdown
4	and then a startup. But it is an event in which there
5	are exceptions to limits that apply at all times.
6	MR. HUNTER: Is the request to remove the
7	turnaround provisions from USEPA, and is there
8	anything we already asked that. Excuse me.
9	Did the recent DC court opinion addressing
10	SSM events have any bearing on removing the
11	maintenance turnaround provisions from this NOx RACT?
12	MR. DAVIS: The most recent decision?
13	MR. HUNTER: Yes, the DC court opinion, the
14	most recent.
15	MR. DAVIS: It did not.
16	MR. HUNTER: That's all of our questions.
17	HEARING OFFICER PAULEY: Okay. Thank you
18	very much.
19	So Mr. Davis, are we good to move to the
20	Board's questions now?
21	MR. DAVIS: I believe so.
22	HEARING OFFICER PAULEY: All right. So
23	Mr. Davis has agreed to help us out by reading the
24	questions into the record as we go. I know there are

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1 a large chunk of them that are nonsubstantive, and we 2 can kind of just group those together as one. 3 have to read them all. But whenever you would like to 4 start, start with Number 1, please. 5 Okay. So Question 1 from the MR. DAVIS: Board regards Section 217.150(a)(2). Please comment 6 7 on whether it would be acceptable after Subparts E, F, 8 G, H, I, and M to strike the phrase "of this Part." 9 And the Agency finds the Board's proposed changes acceptable. 10 So here we get into somewhat of the 11 12 substantive part. Regarding Section 217.150(d) -- as in dog -- please explain what the phrase "good air 13 pollution control practice" means in the context of 14 Part 217, Subparts E, F, G, H, I, or M. 15 So the response is: In general, this means 16 17 that, at all times, the owners or operators must, to the extent practicable, maintain and operate any 18 19 affected unit, including associated air pollution 20 control equipment, in a manner consistent with good 21 air pollution control practice for minimizing Such practices or procedures may include 22 emissions. but are not limited to monitoring results, opacity 23 24 observations, review of operating and maintenance

procedures, and inspection of the source.

For example, the good air pollution control practice requirements in the general provisions of the new source performance standards at 40 CFR -- that's Code of Federal Regulations -- CFR 60.11(D) and national emissions standards for hazardous air pollutants at 40 CFR 63.6(E).

Question 3 from the Board was "Also, please comment on whether subsection (d) should apply to emission units covered under other subparts such as Subparts Q and T.

The response is: The Agency does not object to the Board amending Subpart Q to include a similar provision under Section 217.386 by adding a new subsection (f) because Subpart Q is included in satisfying NOx RACT requirements under Sections 172 and 182 of the Clean Air Act.

However, the Agency does not support
amending Subpart T. Subpart T was adopted by the
Board to satisfy the NOx SIP Call finding of
significant contribution and rulemaking for certain
states in the Ozone Transport Assessment Group regions
for purpose of reducing regional transport of ozone.
And that's at Volume 63 of the Federal Register 57356

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1	from October 27, 1998.
2	Then I do believe that we are going to admit
3	all of these questions from the Board as read.
4	HEARING OFFICER PAULEY: Yes. Correct.
5	MR. DAVIS: So for questions 4 through 61,
6	the Agency finds the Board's proposed changes
7	acceptable.
8	HEARING OFFICER PAULEY: Thank you.
9	MR. DAVIS: So I'm going to say we don't
10	need to read 4 through 61.
11	HEARING OFFICER PAULEY: Correct. Yes.
12	That will be entered as if read.
13	MR. DAVIS: Then I will jump ahead.
14	Okay. Question 62 regards the technical
15	support document, or the TSD. At page 3, under
16	"Potentially Affected Source Description," the TSD
17	states that "Some sources may be unaffected if they
18	have no units that will be subject to Part 217
19	emission limits or if they were to limit source NOx
20	emissions to less than the applicability threshold of
21	50 tons her year."
22	Question 62 is: Please clarify whether a
23	source with PTE or potential to emit of 50 tons
24	per year that limits the actual emissions to less than

73 1 15 tons per year would also be unaffected by the 2 proposed rules. So the response is: To clarify, by an 3 "emission source," the Agency means a facility that 4 5 could include multiple emission units. So at a source with the potential to emit 50 tons or more, a unit 6 7 that emits less than 15 tons per year would not be 8 subject to the proposed rules. 9 Further, if a source has a potential to emit that is less than 50 tons per year, no units at that 10 source are subject to the proposed rule. 11 12 Okay. 63 has a preface. At pages 3 and 4 under "Environmental Impact," the TSD states that 13 there will be no -- I'm sorry -- "there will be NOx 14 emission reductions in both non-attainment areas due 15 to the proposed revisions, but the Agency does not 16 17 provide any estimates of emission reductions. So Question 63 is: Although additional data 18 19 and source-specific information may not be available 20 at this time, would it be possible for the Agency to 21 provide an estimate of emissions reduction that would be achieved by implementing the proposed amendments 22 compared to existing requirements? 23

And I did read at least a portion of this

1 response with IERG's questions. I think some of the follow-up questions get to, kind of, the difficulties 2 in determining exactly which sources and which units 3 will be actually subject to limits that we would 4 5 expect actual emission reductions from. So the answer is: An estimate of actual 6 7 emission reductions from the proposed revisions is 8 difficult to provide because the proposed rules contain a number of compliance flexibilities and 9 options for sources to limit source-wide and 10 unit-specific emissions below those applicability 11 12 thresholds. Thus, it would be difficult to estimate 13 actual emission reductions rather than potential 14 allowable emission reductions. At a single given 15 source, the Agency may be able to evaluate what 16 17 potential compliance options are available or likely; but an attempt to aggregate estimates of actual 18 19 emission reductions from all of the potential subject 20 sources would involve a high degree of uncertainty. 21 MR. RAO: Can I ask a follow-up? 22 HEARING OFFICER PAULEY: Yes, we have a 23 follow-up question here. 24 MR. RAO: Were they conducting any modeling

75 1 in the future to show how these requirements may give back (word unintelligible) for the 2015 standard? 2 So you're asking whether an 3 MR. DAVIS: 4 attainment demonstration or some kind of other part of 5 the SIP will require modeling that would include these reductions? 6 7 MR. RAO: Yes. 8 MR. DAVIS: No. No. The NOx RACT 9 requirements and having rules on the books that do reflect RACT are a requirement of the moderate SIP. 10 11 The Agency is not going to try to quantify reductions 12 that we project from these regulations, mainly because those projections would be for 2023 in the current 13 attainment demonstration. Those years have elapsed. 14 So the quantification of the emission 15 reductions from this will not be necessary in any 16 17 modeling. The modeling for the attainment demonstration that we'll be filing shortly, hopefully, 18 19 or submitting to the USEPA was conducted in previous 20 years, and I don't believe that they included anticipated reductions. And I'm almost certain they 21 didn't include anticipated reductions from a NOx RACT 22 23 rulemaking. 24 MR. RAO: Thank you.

1 Okay. The next question also MR. DAVIS: has a preface. At pages 4 and 5 under "Technical 2 Feasibility and Economic Reasonableness," the TSD 3 states that "detailed cost-effectiveness estimates for 4 specific control technologies are not provided because 5 no sources in Illinois are likely to implement any new 6 7 control strategies in order to comply with the 8 proposed revisions. Question 64 is: Please clarify whether none 9 of the potentially affected sources would need to 10 implement additional emission controls to achieve 11 compliance with the proposed amendments. 12 13 The Agency response is: The Agency did not intend to indicate that no sources would need to 14 15 implement additional control measures. The TSD precedes the above quote with "In some of those cases" 16 and then "detailed cost effectiveness estimates." 17

By this, the Agency means that, for some specific categories of emission units, all such units in both non-attainment areas would not likely require any change in operations to comply with the proposed NOx RACT limits.

the quote continues there.

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Additionally, there are no cement kilns or

77 1 lime kilns or coal-fired EGUs remaining in the 2 non-attainment areas. For these specific categories of emissions, the Agency did not provide detailed 3 4 estimates. 5 Question 65, if not, please comment on whether some of the affected sources will be relying 6 7 on existing control strategies that have been 8 previously found by the Board to be technically feasible for NOx control. 9 Many sources will be able 10 So the response: to rely on their existing control strategies. 11 12 emission limits for the most common types of emission units, industrial boilers and process heaters, were 13 14 not changed in the proposal. Question 66, please provide examples of 15 existing control strategies that may be used to 16 17 achieve compliance with the proposed amendments. There are a number of 18 Response: 19 pre-combustion, combustion, and post combustion 20 control measures available as detailed in the TSD. 21 Some examples include low NOx burners, flue gas recirculation -- and then there's three acronyms here 22 -- SCR, SNCR, NSCR, et cetera. I'd be happy to expand 23

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on those if you'd like.

1 Question 67, also, please comment on whether implementation of the proposed RACT rules will bring 2 both non-attainment areas into attainment with the 3 4 2015 ozone NAAQS. 5 Response: The RACT rules are a required element of a state implementation plan to bring the 6 7 areas into attainment of the NAAQS. The proposed RACT 8 rules will not bring the areas into attainment on 9 their own. There's another preface here by the Board. 10 At page 5 under Section 217.150, "Applicability," the 11 TSD states that it is likely that both NAAs considered 12 in this proceeding will be reclassified as serious 13 NAAs after the next attainment date of August 3, 2024. 14 Question 68, please comment on whether USEPA 15 has taken any formal action to reclassify the NAAs 16 17 since the August 3 attainment date. We did discuss this a bit in the last 18 question set. But to date, USEPA has not taken any 19 20 formal action to reclassify either NAA. 21 The Board states: At page 6 under Sections 217.152, "Compliance Date and 30-Day Rolling Average 22 Basis," the TSD states that this updated averaging 23

period may increase the effectiveness of the proposed

24

emission limits in contributing to the prevention of ozone monitoring exceedances throughout the year.

Question 69 is: Please comment on whether the Agency can provide any examples of using emissions data from existing sources to show how the change in averaging period improves the effectiveness of the proposed emission limits.

The response is: Shorter averaging periods minimize large fluctuations in emissions. So in a case where a source is allowed to average over a five-month ozone season or an annual average, relatively large quantities of emissions could occur on a short-term basis -- for instance, days or weeks -- that could impact ozone concentrations during those periods and without posing any compliance concerns for that source. Shorter averaging periods decrease the likelihood of these large fluctuations.

The Board states: At page 6 under Section 217.158 "Emissions Averaging Plans," the TSD notes that IEPA proposes that all emission averaging plans, or EAPs, calculations must be done on a 30-day rolling average basis instead of the ozone season (May 1 through September 30) and calendar year (January 1 through December 31) under the existing regulations.

80 1 Question 70 is: Please comment on whether 2 this proposed change would require any affected sources to significantly modify their EAPs or require 3 them to implement additional control strategies to 4 5 demonstrate compliance. It is possible that a shorter 6 Response: 7 averaging period will result in sources that use 8 averaging plans employing different or additional control strategies. 9 The Board states: At page 7 under Section 10 217.164 "Emission Limitations," the TSD notes that the 11 number of boilers affected by the proposed rules is 12 "four to eight units in both NAAs total." 13 Question 71 is: Please clarify whether 14 there is a wide range in the number of affected --15 please clarify why there is a wide range in the number 16 17 of affected boilers. The Agency would not characterize 18 Response: 19 this range of four to eight as a wide range in the 20 number of affected boilers; rather, those numbers 21 reflect relatively few boilers in the NAAs. Further, this range also reflects the extent 22 to which certain sources or units may or may not be 23

subject to the Part 217 limits if a source were to

81 1 limit emissions below an applicability threshold. 2 The Agency analyzed several recent years emissions of units of this capacity. Some of them are 3 4 close to the 15 ton per year threshold and may or may not choose to limit their emissions to less than that 5 threshold. 6 7 So there were eight boilers in that capacity 8 range, but the Agency anticipates that one or more, possibly four of them, which would resolve that 9 difference, may choose to limit their emissions to 10 less than 15 tons per year. 11 Question 72: Also, please clarify whether 12 all affected boilers use non-solid fuel. 13 Based on information available to 14 Response: the Agency, no subject boilers in the NAAs combust 15 solid fuels. The Agency therefore does not anticipate 16 17 that any solid fuel boilers will be impacted by the proposed revisions. 18 19 Question 73. Also, please comment on how 20 many of them currently have pre-combustion controls such as low NOx burners, flue gas recirculation (FGR), 21 or a combination of the two. 22 The Agency does not have detailed 23

data regarding which of these boilers may use either

1 of those control measures. In general, permits for 2 sources do not require those specific measures, and those measures can result in a range of emission 3 4 rates. So the Board states: At page 8, under 5 Section 217.184, "Emissions Limitations," the TSD 6 7 states that the number of heaters affected by the 8 proposed rules is "two to six units in both NAAs total." 9 Question 74 is: Please clarify why there's 10 a wide range in the number of heaters. 11 So again, the Agency would not characterize 12 that range, from two to six, as a wide range; rather, 13 those numbers reflect relatively few units in the 14 15 NAAs. 16 The same explanation for the range in the 17 number affected boilers the Agency provided in response to Question 71 applies to the range in the 18 19 number of affected heaters or process heaters. 20 So where there were process heaters that 21 were close, there were certainly some in there that may or may not want to limit their emissions to less 22 than 15 tons to avoid applicability. So that kind of 23 24 explains that range.

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1 Question 75: Also, please comment on the 2 type of controls, if any, that the affected heaters 3 currently have. 4 And again, the Agency does not have detailed 5 data regarding which specific control measures are used by each unit. 6 7 Question 76: If they do not have any 8 controls, please comment on whether they will rely on EAPs to comply with the applicable limitations. 9 It appears that at least two of 10 Response: the units are located at a source currently using an 11 12 averaging plan. The Board states: At page 9 under Section 13 217.184 "Emission Limitations," the TSD states that 14 "the existing Part 217 limits for process heaters are 15 more stringent than those in Michigan and Wisconsin 16 17 for all categories of process heater designs with emission limits under Subpart F." 18 19 Question 77 is: Please comment on how the 20 Part 217 process heater limits compare with those in 21 Ohio. 22 It does not appear that Ohio has Response: RACT limits for process heaters as a category. 23 24 Ohio rules contain general limits for boilers,

84 1 engines, and turbines; and beyond that, there are limits directed at specific units at specific sources. 2 Then there are also requirements for stationary 3 4 sources to conduct a RACT study. 5 So in Ohio, they don't define process heater and apply a specific limit to it. 6 7 The Board states: At page 9 under Section 217.204 "Emissions Limitations," the TSD states that 8 one of the two affected glass melting sources "is 9 subject to a consent decree that requires 10 significantly lower NOx emissions limits than the 11 proposed limits, and the other subject source is 12 currently in the process of negotiating a consent 13 14 decree." Question 78 is: What are the NOx limits of 15 the affected source operating under the consent 16 17 decree? The affected furnace must not 18 Response: 19 exceed the emission rate 30-day rolling average of 1.3 20 pounds of NOx per ton of glass produced as measured using a NOx CEMS where available. 21 And that is in the consent decree United 22 States of America and Commonwealth of Massachusetts 23 24 versus Saint-Gobain Containers, Incorporated,

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1	#C10-121 Z, Western District, Washington, May 7, 2010.
2	Question 79: Regarding the second affected
3	source, is the Agency involved in negotiating a
4	consent decree?
5	Response: A consent order has been entered.
6	See consent order People of the State of Illinois
7	versus Gerresheimer Glass, Inc., #2024-CH-000384,
8	Circuit Court Cook County, September 18, 2024 so
9	very recently. The Agency can provide the document if
LO	requested by the Board.
L1	HEARING OFFICER PAULEY: Yeah, if you could
L2	submit that.
L3	MR. DAVIS: Okay.
L <b>4</b>	Question 80: If so, has the Agency
L5	recommended NOx limits?
L6	Response: No. The consent order requires
L7	compliance with the NOx emission limits set forth in
L8	the sources permit. So no new NOx limits.
L9	Question 81: Also, please comment on
20	whether Subpart G, NOx limits, should be lowered to be
21	consistent with the source operating under the consent
22	decree.
23	Response: No. The Subpart G, NOx limits,
24	represent RACT. The current emission limitation for

86 1 container glass is 5.0 pounds per ton of glass 2 produced, and the Agency is proposing to lower that limit to 4.0 pounds per ton of glass produced, as set 3 forth under the Federal Good Neighbor Plan for the 4 2015 Ozone National Ambient Air Quality Standards. 5 And that can be found at Volume 88 of the Federal 6 7 Register 36654, June 5, 2023. 8 The Board states: At page 9, under Section 217.244 "Emission Limitations," the TSD states that 9 "any new units in this source category would be 10 subject to the requirements to obtain a construction 11 12 It is unlikely that any new sources would be authorized to construct in either NAA without being 13 subject to a standard that would be more stringent 14 than RACT." 15 16 Question 82 from the Board is: Please 17 explain the rationale. Response: A new source applying for a 18 19 permit to construct a cement or lime kiln in a 20 non-attainment area would be subject to non-attainment 21 new source review. This would involve the source meeting lowest achievable emission rate, or LAER, 22 which is generally the most stringent emission 23

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limitation for a given category.

1 The Board states: At page 15 under "RACT 2 Determination," the TSD notes proposal in Section 217.388(a)(1)(D) to lower the emission limit "from 660 3 to 210 ppm for all diesel engines that are constructed 4 5 on and after May 1, 2025." The TSD also states that "the current limit for the category has been 6 7 determined by the Agency to be RACT for existing 8 engines." However, the changes proposed to Section 217.388(a)(1)(D) do not reflect this proposed intent 9 for existing engines. 10 Question 83: Please comment on this 11 proposed subsection and, if necessary, propose rule 12 language clearly reflecting that existing diesel 13 engines are subject to a limit of 660 ppmv after 14 15 May 1, 2015. Response: It was the intent that existing 16 17 units would be subject to a limit of 660 ppmv before and after May 1, 2025, and that new engines on and 18 19 after May 1, 2025, be subject to a limit of 210 ppmv. 20 The Agency proposes that Section 21 217.388(a)(1)(D) be amended to read as follows. we can submit this language if it doesn't end up being 22 clear in the record, because there are underlines and 23

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strike-throughs that may or may not be clear.

24

1 So in capital D: Before May 1, 2025, 660 2 ppmv (corrected to 15% O2 on a dry basis) for diesel engines; on and after May 1, 2025, 660 ppm (corrected 3 to 15% 02 on a dry basis) for diesel engines other 4 5 than those constructed on and after May 1, 2025; on and after May 1, 2025, 210 ppmv (corrected to 15% O2 6 7 on a dry basis for diesel engines that are constructed 8 on and after May 1, 2025. 9 So we can send you that language. But yes, the Board is correct in the Agency's intent, and we 10 11 will revise as necessary. 12 HEARING OFFICER PAULEY: Thank you. MR. DAVIS: The Board states: At page 16 of 13 the TSD under "Low-Usage Units," the TSD states that 14 the Agency proposes to sunset Section 217.388(a)(3)(A) 15 because "using aggregate source-wide NOx potential to 16 17 emit from all engines and turbines combined at a source . . . is an inappropriate threshold for 18 19 determining what constitutes low-usage units." 20 The TSD notes that, after adopting the 21 Agency's proposal, the source-wide applicability of 50 22 tons per year in proposed Section 217.386(a-5) would 23 apply. 24 Question 84: Please comment on whether

1 Section 217.388(a)(3)(A) should include language 2 similar to proposed Section 217.390(a)(1)(A)(ii), numerette 2 or little i little i, to clarify that, on 3 or after May 1, 2025, the threshold would be a 4 potential to emit of 50 tons per year of NOx. 5 The Agency does not intend 6 Response: No. 7 for the provision under Section 217.388(a)(3)(A) to be 8 in effect on and after May 1, 2025. HEARING OFFICER PAULEY: That concludes the 9 Board's questions. For the record, does anyone else 10 11 have any questions for the Agency before we get towards the end of things? 12 13 (No response.) HEARING OFFICER PAULEY: 14 Thank you. Checking one more time, is there anyone there that was 15 wanting to provide a public comment? 16 17 (No response.) HEARING OFFICER PAULEY: Okay. Not hearing 18 19 any, let me take a moment to address the issue of an 20 economic impact statement. Section 27B of the 21 Environment Protection Act provides that the Board must request that the Department of Commerce and 22 Economic Opportunity conduct an economic impact study 23 24 of proposed rules before the Board adopts the rules.

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1 The Board must make either the economic 2 impact study or the Department's explanation for not conducting one available to the public at least 20 3 4 days before a public hearing. In a letter dated July 11, 2024, the Board's 5 chair, Barbara Flynn Currie, requested that the DCEO 6 7 conduct an economic impact study of this rulemaking proposal. On August 28, 2024, DCEO declined the 8 9 request, stating they do not have the industrial engineering expertise to meaningfully participate in 10 11 estoppel. Is there anyone present today who would like 12 to testify regarding the Board's request for a study 13 14 and DCEO's response? 15 (No response.) 16 HEARING OFFICER PAULEY: Not hearing any, 17 can we go off record for a moment to discuss procedural dates? 18 19 (Discussion held off the record.) 20 HEARING OFFICER PAULEY: Jumping back on the 21 record, we were discussing procedural issues. Agency has agreed to file the answers and any 22 23 amendments to proposal or new proposal by October 17, 24 2024. The prefiled deadline for testimony is October

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	91
1	31 for the November 21, 2024, second hearing. And we
2	do have a November 14 deadline for prefiled questions.
3	Copies of the transcript of today's hearing
4	are expected to be available no later than Thursday,
5	October 3, 2024. Promptly after the Board receives a
6	transcript, it will be posted to COOL, our online
7	system, from which it can be viewed and printed.
8	Are there any other matters that need to be
9	addressed at this time?
10	(No response.)
11	HEARING OFFICER PAULEY: Not hearing any,
12	I'd like to thank everyone for participating today and
13	thanks to the Edwardsville Madison County Courthouse
14	for hosting us here.
15	The first hearing is adjourned.
16	
17	(Hearing adjourned at 12:35 p.m.)
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22	
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	9:	2
1	STATE OF ILLINOIS ) ) SS	
2	COUNTY OF DeWITT )	
3		
4	I, BRENDA ZEITLER, CSR, License No.	
5	084-004062, in and for the state of Illinois, do hereby certify that the foregoing transcript from the	
6	hearing by the Illinois Pollution Control Board was taken on the 26th day of September, 2024, and that	
7	said hearing was taken down in stenographic notes, afterwards reduced to typewriting by me, and is a true	
8	and accurate transcription of the testimony.	
9	I do hereby certify that I am a disinterested person in this cause of action, that I	
10	am not a relative of any party or any attorney of record in this cause or an attorney for any party	
	herein or otherwise interested in the event of this	
11	action, and that I am not in the employ of the attorneys for either party.	
12	IN WITNESS WHEREOF, I have hereunto set my hand	
13	this 2nd day of October, 2024.	
14		
15		
16	Brenda Zeitler, CSR	
17		
18		
19		
20		
21		
22		
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24		
4 <del>'</del>		

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