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ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF: PROCEDURAL) RULES FOR ALTERNATIVE THERMAL) EFFLUENT LIMITATIONS UNDER) SECTION 316(a) OF THE CLEAN) WATER ACT: PROPOSED NEW 35) ILL. ADM. CODE PART 106,) SUBPART K AND AMENDED SECTION) 304.141(c).)

REPORT OF THE PROCEEDINGS held in the above entitled cause before Hearing Officer Daniel Robertson, called by the Illinois Pollution Control Board, taken by Steven Brickey, CSR, for the State of Illinois, 160 North LaSalle Street, Chicago, Illinois, on the 16th day of October, 2013, commencing at the hour of 11:00 a.m.

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STATE OF ILLINOIS

Pollution Control Board

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A P P E A R A N C E S

MR. DANIEL ROBERTSON, Hearing Officer MS. ALISA LIU MS. CARRIE ZALEWSKI MR. ANAND RAO MR. JERRY O'LEARY MS. JENNIFER BURKE MS. DEANNA GLOSSER

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Page 3 1 MR. ROBERTSON: Good morning, 2 everybody. My name is Daniel Robertson and I have 3 been appointed by the Board to serve as Hearing 4 Officer in this proceeding entitled In The Matter 5 of: Procedural Rules for Alternative Thermal 6 Effluent Limitations Under Section 316(a) of the 7 Clean Water Act: Proposed New 35 Ill. Adm. Code 8 Part 106, Subpart K and Amended Section 9 304.141(c). 10 This proceeding is listed as 11 R13-20 in the Board's docket. With me today we 12 have the presiding Board Member Jennifer Burke and 13 to her left is also joined by members of the 14 Board's Technical Unit Anand Rao and Alisa Liu. 15 On my right, we have the Board's Chairman Deanna 16 Glosser and next to her we have Board Members 17 Jerry O'Leary and Carrie Zalewski. 18 I'm just going to get a couple 19 procedural issues out of the way first. This 20 rulemaking was filed pursuant to Section's 1326 21 and 28 of the Environmental Protection Act. At 22 the request of the Agency, the Board submitted the 23 proposal to first notice without commenting on the 24 substantive merits of the proposed amendments. L.A. COURT REPORTERS, LLC. (312)419-9292

Page 4 1 The Board scheduled two hearings 2 in this proceeding. The first took place on 3 August 27th in Springfield and the transcript of 4 that hearing has been made available on the 5 Board's website since September 13th. Todav marks 6 the second hearing taking place here in Chicago. 7 Any pre-filed testimony for today's hearing was 8 due on October 11th and no pre-filed testimony was 9 received. 10 However, on October 11th, the 11 Agency did file its response to Board staff 12 questions for section hearing and CARE comments. 13 CARE is the acronym for Citizens Against Ruining 14the Environment who filed a public comment on 15 September 5th. This is the only public comment 16 received by the Board today. 17 The Agency's response addressed 18 the public comments as well as Board Hearing 19 Officer questions sent on September 12th and 20 copies of the September 12th Hearing Officer order 21 and the Agency's response are available on the 22 desk to our right in the back. Also on that back 23 table are copies of two letters. 24 The first is a communication L.A. COURT REPORTERS, LLC. (312)419-9292

Page 5 1 between the Board and the Department of Commerce 2 and Economic Opportunity, abbreviated DCEO, 3 regarding the Board's request for an Economic 4 Impact Study and the DCEO's response. There are 5 also copies of two letters from the Joint 6 Committee on Administrative Rules, abbreviated 7 JCAR, J-C-A-R, regarding JCAR's request for 8 analysis of economic and budgetary effects. Both 9 of these letters were addressed at the first 10 hearing, but I'll again address these items later 11 today. 12 Similar to the first hearing, we 13 will start today with introductions and opening 14 statements first from the Agency and then from 15 anyone else wishing to do the same. We will then 16 move onto any Agency testimony and questions on 17 the testimony and at that time we will also take 18 any questions on the Agency's response filing from 19 October 11th. We will then move onto any 20 testimony from any other persons in attendance. 21 And I again note that any questions asked by a 22 Board member or staff either through the Hearing 23 Officer or at the hearing today is intended to 24 help build a complete record for the Board's L.A. COURT REPORTERS, LLC. (312)419-9292

Page 6 1 decision and not to express any preconceived 2 notion or bias. 3 I will also ask that if you wish 4 to ask a question, please state your name and whom 5 you represent before beginning your questions. At 6 this point, would any members of the Board like to 7 make any opening statements? Seeing none, would 8 the Agency like to please introduce itself and its 9 witness for the record. 10 MS. OLSON: Hi. My name is Joanne 11 Olson. I'm assistant counsel at Illinois EPA. 12 MR. TWAIT: Scott Twait from 13 Illinois EPA. 14 Thank you. MR. ROBERTSON: It's my 15. understanding that the Agency does not intend to 16 offer testimony, but is willing to take questions? 17 MS. OLSON: That's correct. 18 MR. ROBERTSON: And before we get to 19 any questions, do you have any opening statements 20 that you'd like to make? 21 MS. OLSON: We'd like to thank the 22 Board for holding this hearing, but other than 23 that, no. 24 MR. ROBERTSON: Thank you. And L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 7 would anyone else at this time like to introduce 1 2 themselves or make any opening statements? 3 I'm Al Bielawski MR. BIELAWSKI: 4 with Sidley Austin and I represent Exelon 5 Generation in this matter. No opening statement. 6 Good morning. 7 MR. ROBERTSON: Thank vou. 8 MR. HARLEY: Mr. Hearing Officer, my 9 name is Keith Harley, Chicago Legal Clinic. I'm here today on behalf of Citizens Against Ruining 10 11 the Environment. I'm joined by Philip Micha, a 12 law clerk who is working with me on this case. 13 Micha is M-I-C-H-A. 14 MR. ROBERTSON: Anybody else? 15 Seeing none, we'll move onto any questions on the Agency's responses at this time. Could the court 16 17 reporter please swear in the Agency witness? 18 WHEREUPON: 19 SCOTT TWAIT 20 called as a witness herein, having been first duly 21 sworn, deposeth and saith as follows: 22 Thank you. So we'll MR. ROBERTSON: start with any members of the public have any 23 24 questions regarding the Agency responses filed on L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 8 1 October 11th or does anyone have any other general 2 questions for the Agency? 3 MR. HARLEY: Mr. Hearing Officer, is 4 this the opportunity for us to raise questions or 5 is this for general members of the public? 6 MR. ROBERTSON: If you'd like Both. 7 to raise questions. Do you mean specifically for 8 the Agency? 9 MR. HARLEY: Mr. Hearing Officer, if 10 I may approach? 11 MR. ROBERTSON: Thank you. 12 MR. HARLEY: We had our first 13 opportunity to review the Agency's response 14 yesterday so we did not have an opportunity to 15 pre-file our questions before today. However, we 16 do have written questions that we would like to 17 pose to the Agency witness today. 18 MR. ROBERTSON: Is it my 19 understanding you'd like to enter these as a 20 hearing exhibit? 21 MR. HARLEY: Yes, please. 22 MR. ROBERTSON: Does anybody have 23 any objections to entering this document as an 24 exhibit to today's hearing? Seeing none, at this L.A. COURT REPORTERS, LLC. (312)419-9292

Page 9 1 point, I'm entering the document entitled 2 Ouestions for the Illinois Environmental 3 Protection Agency by Keith Harley, Attorney for 4 Citizens Against Ruining the Environment, October 5 16th, 2003, In The Matter of Procedural Rules For 6 Alternative Thermal Effluent Limitations Under 7 Section 316(a) of the Clean Water Act: Proposed 8 New 35 Ill. Adm. Code Part 106, Subpart K and 9 Amended Section 304.141(c) R2013-20 as Exhibit 3. 10 (Document marked as IPCB Exhibit 11 No. 3 for identification.) 12 MR. ROBERTSON: Would you like to 13 proceed with your questions? 14 MR. HARLEY: Thank you, Mr. Hearing 15 Officer. Before proceeding with the questions, I 16 did have an opportunity to talk to Illinois EPA's 17 counsel before the hearing commenced. 18 MR. O'LEARY: Can you speak up, 19 Mr. Harley? 20 MR. HARLEY: I apologize. I did 21 have an opportunity to speak with Illinois EPA's 22 counsel before the hearing commenced. We 23 understand that this is the first opportunity that 24 the Illinois EPA and its witness have had to L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 10 1 review these questions. It may not be possible 2 for them to fully respond to all of these 3 questions. Therefore, Mr. Hearing Officer, at the 4 conclusion of these questions, we will request 5 your insight and decision about how it is that any 6 additional material that they would like to 7 include in the record in response to these 8 questions should be introduced into these 9 proceedings. 10 Mr. Hearing Officer, with that 11 understanding in mind, to begin my questions. 12 Ouestion number one. From the Illinois EPA's 13 perspective, is relief pursuant to 316(a) a 14 variance? 15 MR. TWAIT: Under the federal term, 16 they consider it a variance. 17 MR. HARLEY: Does Illinois EPA feel 18 it is bound by the federal determination that 19 316(a) relief is a variance? 20 I don't quite know. MR. TWAIT: 21 Could you ask it again? 22 MR. HARLEY: Does Illinois EPA 23 believe that it is bound by the federal 24 determination that 316(a) relief is a variance? L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	MR. TWAIT: I'm not sure how to
2	answer that question.
3	MS. OLSON: Can you explain what you
4	mean by bound?
5	MR. HARLEY: Does Illinois EPA
6	accept as the federal regulations put forward that
7	316(a) relief is a variance?
8	MS. OLSON: Can you explain what you
9	mean by accept? Are you talking acceptance under
10	the federal law?
11	MR. HARLEY: Accept for purposes of
12	these proceedings.
13	MS. OLSON: I don't understand what
14	you mean. Under the definition in the federal
15	regulations, the variance is defined to include
16	316(a) relief. So I'm not sure what you mean by
17	accept. The law says that it is a variance as
18	under the Clean Water Act.
19	MR. HARLEY: Okay. I will accept
20	that as an answer. Thank you. Question two.
21	Does Illinois EPA acknowledge that Illinois has
22	the authority to develop an approach to variances
23	that is not identical in substance with federal
24	requirements? L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 12 1 MR. TWAIT: I think that's a legal 2 We're going to have to answer that question. 3 afterwards. 4 MR. HARLEY: Ouestion three. Does 5 Illinois EPA acknowledge that Illinois has the 6 authority to develop variance standards that are 7 more stringent than federal requirements? 8 MR. TWAIT: Yes. 9 MR. HARLEY: Ouestion four. In the 10 context of this rulemaking, why does Illinois EPA 11 assert that it can dispense with some Illinois 12 statutory mandates regarding the issuance of 13 variances? 14 MR. TWAIT: I think we're going to 15 have to answer that one after the hearing. 16 MR. HARLEY: Related question also 17 part of question four. Does Illinois EPA 18 similarly assert that the Illinois Pollution 19 Control Board is not bound by existing statutory 20 mandates regarding the issuance of variances in 21 developing regulations in this matter? 22 I think that's another MR. TWAIT: 23 legal question that we're going to have to answer 24 afterwards. L.A. COURT REPORTERS, LLC. (312) 419-9292

1 MR. HARLEY: Ouestion five. In its 2 response to Board staff question one, the Illinois 3 EPA asserts that the 1977 federal rules have been 4 substantially changed since US EPA issued its 1977 5 Interagency 316(a) Technical Guidance Manual. 6 This Guidance Manual has been entered as an 7 exhibit in this proceeding. When were the 1977 8 federal regulations substantially changed? 9 MR. TWAIT: I do not know the date. 10MR. HARLEY: Do you know roughly 11 when those regulations were changed? 12 MR. TWAIT: No. 13 MR. HARLEY: Do you know if the 14 regulations were changed prior to 2008? 15 MR. TWAIT: I believe they were. 16 MR. HARLEY: May I approach? 17 MR. ROBERTSON: Yes. 18 MR. HARLEY: Mr. Hearing Officer, I 19 have a document that I would like to enter as an 20 exhibit. 21 MR. ROBERTSON: Are there any 22 objections to entering this exhibit? 23 MR. BIELAWSKI: For the record, I 24 believe that this document is already in the L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 14 1 record as an exhibit to the original filing, is 2 that correct? 3 MS. OLSON: It's attached to the 4 statement of reasons. Let me get you the 5 attachment letter. 6 MR. ROBERTSON: I believe it's 7 Attachment C. 8 MS. OLSON: Yes. Sounds right. 9 Yes, it is. 10 Mr. Hearing Officer, in MR. HARLEY: 11 light of the fact that this is already attached to 12 the Agency's statement of reasons, we would 13 withdraw our request for this to be admitted as a 14 hearing exhibit and merely use it as a basis for 15 asking our subsequent questions. 16 MR. ROBERTSON: Thank you. 17 MR. HARLEY: Move to question six. 18 Mr. Twait, I'd like to call your attention before 19 proceeding to question six to page two of this 20 document, which was attached to the Agency's 21 statement of reasons. It indicates in 1977 EPA 22 released draft Clean Water Act Section 316(a) 23 Guidance entitled Interagency 316(a) Technical 24 Guidance Manual and Guide for Thermal Effects L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	Sections of Nuclear Facilities Environmental
2	Impact Statements. This guidance provides
3	valuable technical information while conducting
4	316(a) demonstrations useful to both facilities
5	and permitting authorities.
6	Mr. Twait, do you agree with
7	that statement?
8	MR. TWAIT: Sure.
9	MR. HARLEY: Since US EPA in 2008
10	asserted the 1977 Technical Guidance is still
11	relevant to issuing a variance, why does Illinois
12	EPA discount the applicability of this guidance in
13	its response to Board staff question one?
14	MR. TWAIT: I don't believe the
15	Agency has discounted the applicability of this
16	guidance. The Board's question is if we wanted to
17	include any additional language derived from the
18	1977 manual.
19	MR. HARLEY: And your answer does
20	not change even though US EPA as recently as 2008
21	has underscored the importance of the 1977
22	technical guidance?
23	MR. TWAIT: Correct.
24	MR. HARLEY: Question seven. Why L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 16 1 wouldn't Illinois EPA consultation with -- and I 2 use an acronym in this question. USFWS, which is 3 United States Fish and Wildlife Service. Whv 4 wouldn't Illinois EPA consultation with US Fish 5 and Wildlife Service produce better informed 6 Agency decision-making? 7 MR. TWAIT: I think the Agency when 8 we need additional expertise I think we'll seek 9 out these consultations, but I don't think that 10 they would be wise to make them mandatory. 11 MR. HARLEY: Can you explain why 12 that would not be a wise decision for the Agency? 13 MR. TWAIT: I think it's been 14 problematic with a mandatory consultation such as 15 this and the government was shutdown and we 16 couldn't talk with them. If it is required, then 17 we just have to wait. Sometimes they're not --18 I'll just leave it at that. 19 Question eight. MR. HARLEY: Why 20 wouldn't Illinois EPA consultation with -- and, 21 again, I use an acronym IDNR, which is Illinois 22 Department of Natural Resources. Why wouldn't 23 Illinois EPA consultation with Illinois Department 24 of Natural Resources produce better informed L.A. COURT REPORTERS, LLC. (312)419-9292

1 Agency decision-making?

2 MR. TWAIT: I think for the same 3 reasons in the previous answer. The Agency has 4 consulted with IDNR on temperature issues and I 5 just believe that making it mandatory is 6 problematic. The Agency has proposed language to 7 include a notification of a 316 variance with IDNR 8 to -- during the initiation of proceeding in 9 Section 106.1125 so that they'll get a copy of the 10 study plan. 11 MR. HARLEY: That notice would be 12 provided at the point of initiation of a Pollution 13 Control Board proceeding, is that correct? 14 MR. TWAIT: Yes. 15 MR. HARLEY: Why would it not be 16 better for IDNR to be involved as a consulting 17 party in the development of the consulting plan by 18 Illinois EPA? 19 I think there are some MR. TWAIT: 20 instances where we have consulted with them in the 21 early stages. 22 MR. HARLEY: Have you found that 23 consultation to be helpful? 24 TWAIT: Yes, but I don't know MR. L.A. COURT REPORTERS, LLC. (312)419-9292

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Page 18 1 that it is always necessary depending on the receiving stream or the receiving body. 2 3 MR. HARLEY: What characteristics of 4 the receiving body of water would make it less 5 important to consult with IDNR? 6 With, say, a lake we MR. TWAIT: 7 know what fish would be in a lake and the Agency 8 has some expertise in the -- for biologists to 9 keep us informed on what species to expect in a 10 lake or sometimes a species there are in a river 11 system. 12 MR. HARLEY: Under the 13 circumstances, what harm would there be in 14 confirming the Agency's conclusions with the 15 Illinois Department of Natural Resources? 16 I think it's just MR. TWAIT: 17 problematic being mandatory. If the Agency and 18 IDNR don't agree on something, who has the final 19 In the way it's written here, the Agency has say? 20 the final say and the IDNR could have their option 21 to have the ability to make a comment if they 22 don't agree with you. 23 MR. HARLEY: But isn't it precisely 24 the situation where if there is a disagreement L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 19 1 between Illinois EPA and IDNR that you would want 2 IDNR to be involved in the development of the 3 study plan? 4 MR. TWAIT: If there is still a 5 disagreement, then I think it's problematic in who 6 makes the final decision. 7 MR. ROBERTSON: Mr. Harley, if you 8 don't mind, can the Board ask a quick follow-up 9 question? 10 MS. GLOSSER: I have a question 11 about the notification that you said that you 12 would send to DNR. Do you have an agreement with 13 DNR that makes this notification compliant with 14 the Illinois Endangered Species Protection Act 15 consultation requirement or is that done in 16 another way? 17 MR. TWAIT: With an existing 18 discharger, it wouldn't go through 19 anti-degradation. So it wouldn't necessarily be 20 in that context, but I think when it came to the 21 Pollution Control Board I think -- yeah, I don't 22 know the mechanism. We'll have to answer that I 23 think -- I think it would be best if we answer 24 that one afterwards. L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	MS. GLOSSER: Okay. Thank you.
2	MR. ROBERTSON: Thank you.
3	MR. HARLEY: Moving to question
4	nine. In the absence of consultation with IDNR
5	and/or US Fish and Wildlife Service, how will
6	Illinois EPA gain independent, expert knowledge
7	about potential adverse impacts of a variance on
8	state or federal endangered species?
9	Before answering that, I do want
10	to clarify that in subsequent questions we've used
11	the term variance to mean both a variance and also
12	an alternative effluent limitation.
13	MR. TWAIT: I think the Agency
14	well, we've submitted language to have IDNR
15	included with the application to the Board and I
16	know in several other places we've consulted with
17	IDNR and US Fish and Wildlife Service. I think it
18	would be it would be something that we would
19	continue to do to consult IDNR.
20	MR. HARLEY: But you would not be
21	required to do so?
22	MR. TWAIT: If it were up to me, it
23	would be yes.
24	MR. HARLEY: Thank you. I believe L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 21 1 that we can quickly answer the next two questions. 2 Ouestion ten. In the absence of consultation with 3 IDNR and/or US Fish and Wildlife Service, how will 4 Illinois EPA gain independent, expert knowledge 5 about potential adverse impacts of a variance on 6 critical habitat for state or federal endangered 7 species? I think it's the same 8 MR. TWAIT: 9 answer. 10 MR. HARLEY: And question 11 for the In the absence of consultation with IDNR 11 record. 12 and/or US Fish and Wildlife Service, how will Illinois EPA gain independent, expert knowledge 13 14 about potential adverse impacts of a variance on zones of passage for state or federal endangered 15 16 species? 17 MR. TWAIT: I think it's the same 18 answer. 19 MR. HARLEY: Thank you, Mr. Twait. 20 Question 12. How will Illinois EPA evaluate the 21 relationship between thermal discharges and the 22 growth of nuisance organisms? Could you clarify your 23 MR. TWAIT: 24 question? L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	MR. HARLEY: Yes. In the 1977
2	guidance, one of the factors which is specifically
3	listed cited to in our first notice comments is
4	a factor related to thermal discharges and their
5	impacts on nuisance organisms. This is one of the
6	factors which Illinois EPA believes is not
7	necessary for it to consider in addition to the
8	requirements in 40 CFR and I was just wondering
9	how then the Agency would address this issue in
10	the context of making a decision about whether to
11	issue an alternative thermal effluent standard?
12	MR. TWAIT: Well, just to be clear.
13	I don't think the Agency said the document
14	couldn't be considered. We were asked if we
15	wanted to include any language from that document
16	and we're still citing to that document. So I
17	think the study plan would just have to look at
18	the parameters that are in the 1977 document to
19	develop their study plan.
20	MR. HARLEY: And would that study
21	plan necessarily include an analysis of the
22	relationship between thermal discharges and the
23	growth of nuisance organisms in your view?
24	MR. TWAIT: I don't know that it L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	will absolutely include it. It could include it
2	depending on what the Agency's views are and
3	whether or not we ask that it be included.
4	MR. HARLEY: Would you require an
5	applicant for an alternative thermal effluent
6	standard to address this factor in its application
7	materials?
8	MS. OLSON: I think he just answered
9	that question.
10	MR. HARLEY: I don't believe that he
11	did. He talked about Mr. Hearing Officer, he
12	talked about the Illinois EPA's deliberative
13	process. He did not answer the question related
14	to what would be required of an applicant for an
15	alternative thermal effluent standard.
16	MR. TWAIT: I think that would be a
17	site specific determination made by the Agency at
18	the time.
19	MR. HARLEY: Question 13. Who at
20	the Illinois EPA will review variance applications
21	and what expertise will they have?
22	MR. TWAIT: Are you talking about
23	the 316(a) applications?
24	MR. HARLEY: Yes, I am. L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	MR. TWAIT: I think that the Agency
2	will pull in some biologists and some engineers to
3	look at the application.
4	MR. HARLEY: But, at this point,
5	you're not certain exactly who those what kind
6	of expert Strike that.
7	At this point, you're not
8	certain what specific expertise will be drawn upon
9	in reviewing these applications?
10	MR. TWAIT: I think it's a case by
11	case, but I would expect that I will be one of the
12	people reviewing it and I know we'll have a
13	biologist and a permit engineer.
14	MR. HARLEY: Question 14. Calling
15	your attention to Illinois EPA's response to CARE
16	comment six on the bottom of page five. Does
17	Illinois EPA acknowledge that NPDES permits that
18	are issued with a 316(a) variance must include a
19	fact sheet that complies with 40 CFR Section 124.8
20	including an explanation of why the permitting
21	Agency believes that 316(a) variance is justified?
22	MR. TWAIT: I don't know that I can
23	answer that question. I do know that all NPDES
24	permits have to have a fact sheet, but I don't L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	know what they have to comply with.
2	MR. HARLEY: Is that a question that
3	the Agency would be able to respond to subsequent
4	to today's hearing?
5	MR. TWAIT: Yes.
6	MR. HARLEY: Thank you. Calling
7	your attention to question 15. Calling your
8	attention to Illinois EPA's response to CARE
9	comment six on the bottom of page five. Did
10	Illinois EPA mean to state that a fact sheet is
11	issued when a draft permit is issued, not when a
12	permit is issued?
13	MR. TWAIT: I believe we meant when
14	a draft permit isn't issued. When it goes to
15	public notice, it includes a fact sheet. When a
16	permit becomes final, I'm not sure if the fact
17	sheet is included with the final permit.
18	MR. HARLEY: Thank you for that
19	clarification. Question 16. Calling your
20	attention to Illinois EPA's response to CARE
21	comment six on the bottom of page five. In the
22	context of a fact sheet, does Illinois EPA expect
23	to summarize the Board opinion granting a
24	variance? L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 26 1 MR. TWAIT: I don't know the answer 2 At a minimum, the Agency would make a to that. 3 reference to the Board's opinion, but I don't know 4 that the Agency would summarize it. 5 MR. HARLEY: The second part of 6 question 16. Is it Illinois EPA's expectation 7 that a member of the public will be required to 8 read a Board opinion in order to understand the 9 basis for a previously issued thermal variance? 10 MR. TWAIT: I don't know the answer 11 to that. If we're to summarize it in a fact sheet, I think it would be there. It would have 12 13 to be a really brief response or a brief 14 summarization or a very long fact sheet. I'm not 15 sure which the Agency will do. 16 MR. HARLEY: Question 17. Calling 17 your attention to Illinois EPA's response to CARE 18 comment six on the bottom of page five. Does 19 Illinois EPA acknowledge that a NPDES permit 20 containing a 316(a) variance must comply with 21 public notice requirements in 40 CFR 124.10(d)1 22 and 124.57? 23 MR. TWAIT: I don't know the answer 24 to that. L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 27 1 MR. HARLEY: Is that something that 2 you would be willing to address subsequent to 3 today's hearing? 4 MR. TWAIT: We can do that. 5 MR. HARLEY: Thank you, Mr. Twait. 6 Question 18. When a permittee that was issued a 7 316(a) variance applies for renewal, what is the 8 extent of documentation that must be submitted 9 under proposed rule 106.1180(b) regarding, quote, 10 the discharger's actual operation experience 11 during the previous permit term, unquote? 12 MS. OLSON: Can you explain where 13 you got the quoted language in question 18? 14 MR. TWAIT: Here it is. 15 MS. OLSON: We've got it. 16 Nevermind. 17 MR. TWAIT: I think what we're 18 trying to get to is are they operating similarly 19 to what -- how they operated to or were expecting 20 to operate when they proposed the 316(a) to the 21 Pollution Control Board. And I don't know what 22 documentation we would request. 23 MR. HARLEY: Your explanation that 24 one thing you would consider would be whether or L.A. COURT REPORTERS, LLC. (312) 419-9292

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not a facility is operating similarly now to how it operated previously. To your knowledge, is that requirement found anywhere in the proposed rules?

5 MR. TWAIT: Yes. Under Section 6 106.1180, Subsection D, it says "If the nature of 7 the thermal discharge has changed materially or the alternative thermal effluent limitation 8 9 granted by the Board has caused appreciable harm 10 to a balanced, indigenous population of shellfish, 11 fish, and wildlife in and on the body of water 12 into which the discharge is made, the Agency may 13 not include the thermal relief granted by the 14 Board in the permitee's renewed NPDES permit. 15 The permittee must file a new petition and make 16 the required demonstration pursuant to this 17 Subpart before the alternative thermal effluent 18 limitation may be included in the permittee's 19 renewed NPDES permit." 20 What kind of MR. HARLEY: 21 documentation would an applicant be required to

22 submit that would demonstrate that it is not

causing that type of damage to a balanced

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indigenous population in the context of a renewal? L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	MR. TWAIT: I think that any
2	intervening studies that they've done have to show
3	that there has not been depreciable harm.
4	MR. HARLEY: Does the proposed rule
5	require the submission of those studies?
6	MR. TWAIT: Yes. Under 106.1180(b)
7	"Any application for renewal should include
8	sufficient information for the Agency to compare
9	the nature of the permittee's thermal discharge
10	and the balanced, indigenous population of
11	shellfish, fish, and wildlife."
12	MR. HARLEY: Thank you. Question
13	19. In the context of a variance renewal, why
14	wouldn't review by the IPCB produce better
15	informed decision-making? In the context of this
16	question, variance renewal would also apply to the
17	renewal of an alternative thermal effluent
18	standard and, of course, the acronym IPCB refers
19	to the Illinois Pollution Control Board.
20	MS. OLSON: Can I ask you to
21	clarify? Is this question only for 316(a) relief
22	or are you talking about any variance granted by
23	the Board?
24	MR. HARLEY: Only for 316(a). L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	MS. OLSON: Thank you.
2	MR. TWAIT: This renewal would only
3	be for 316(a) that has not changed materially and
4	hasn't caused depreciable harm to the balanced
5	indigenous population of shellfish, fish and
6	wildlife.
7	MS. LIU: I have a follow-up
8	question. Good morning, Mr. Twait. When an
9	Agency does a permit renewal for NPDES permits, do
10	they require something similar from the discharger
11	to show that things are going all right before
12	they do a renewal? Is that just a standard
13	renewal process?
14	MR. TWAIT: No, not for the most
15	part. The Agency does have waters that are
16	impaired, but for the most part the permit just
17	ensures that the permittee will meet water quality
18	standards at the edge of the mixing zone or end of
19	the pipe.
20	MS. LIU: So this would be an extra
21	step in the permit renewal process?
22	MR. TWAIT: Yes, for only 316(a)
23	relief.
24	MS. LIU: Thank you. L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 31 1 MR. HARLEY: Question 20. Calling 2 your attention to the Agency's response to CARE 3 comment two page two. Is it Illinois EPA's view 4 that if a variance applicant cannot demonstrate 5 that its proposed variance will assure the 6 protection and propagation of the BIP, an acronym 7 standing for Balanced Indigenous Population, 8 Illinois EPA has the authority to impose variance 9 conditions that it believes will assure the 10 protection and propagation of the BIP? 11 MR. TWAIT: The Agency does not have 12 that authority. The Board has that authority. 13 MR. HARLEY: Would the Agency have a 14 basis to recommend variance conditions to the 15 Board that it believes will assure the protection 16 and propagation of a balanced indigenous 17 population? 18 MR. TWATT: In our recommendation 19 and response located at Section 106.1145. 20 MR. HARLEY: To complete your 21 answer, you do believe you have the authority to 22 incorporate that into your proposal to the 23 Pollution Control Board? 24 TWAIT: MR. We could make a L.A. COURT REPORTERS, LLC. (312)419-9292

Page 32 1 recommendation, yes. 2 Mr. Harley, may I ask a MR. RAO: 3 follow-up question? 4 MR. HARLEY: Sure. 5 MR. RAO: We had a question related 6 to the conditions that may be imposed as part of 7 the alternative thermal effluent limit granted by 8 the Board. In the Agency's response to CARE 9 comment two, the Agency states; quote, whether 10 this alternative thermal effluent limitation will 11 culminate in additional thermal controls is a 12 site-specific determination, unquote. Under 13 Section 104.428(a) of the Board's procedural 14 rules, the Board, quote, may impose such 15 conditions as may be necessary to accomplish the 16 purposes of the Act, unquote. 17 In light of the Agency's 18 response, should the Board include similar 19 language under the proposed opinion and order 20 section which is Section 106.1170 of the proposed 21 rule? If you want, you can take a look at this 22 and get back to us in your comments. 23 We'll have to do that. MR. TWAIT: 24 Thank you. MR. RAO: L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	MR. HARLEY: The second part of
2	question 20. Does Illinois EPA acknowledge that
3	if this scenario were true, that it could also
4	simply reject the variance application and is not
5	required to issue an alternative thermal effluent
6	limitation and I think the issue in this context
7	means to make a recommendation for an alternative
8	thermal effluent limitation.
9	MS. OLSON: Can you clarify your
10	question? Are you asking if we can recommend
11	against 316 relief?
12	MR. HARLEY: Yes.
13	MR. TWAIT: Yes, we could recommend
14	against 316(a) relief.
15	MR. HARLEY: Question 21. Does
16	Illinois EPA acknowledge that Clean Water Act
17	316(a) authorizes, but does not command Illinois
18	EPA to grant a thermal discharger an alternative
19	thermal effluent limitation once protection and
20	propagation of the BIP has been satisfied?
21	MR. TWAIT: The Board is the Agency
22	to authorize.
23	MR. HARLEY: That's a fair response.
24	Let me clarify the question. Instead of "but does L.A. COURT REPORTERS, LLC. (312) 419-9292

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1	not command Illinois EPA to grant a thermal
2	discharger," may I amend the question, "but does
3	not command Illinois EPA to recommend a thermal
4	discharger an alternative thermal effluent
5	limitation?
6	MR. TWAIT: Yes. I believe that's
7	accurate.
8	MR. HARLEY: I don't believe we need
9	to ask the second part of that question. Question
10	22. What is Illinois EPA's interpretation of the
11	relationship between provisional variances from
12	thermal effluent standards in an NPDES permit or
13	in a provisional variance proceeding and an
14	alternative thermal effluent limit granted as a
15	result of this proposed rule?
16	MR. TWAIT: I think the Agency will
17	have to respond to that.
18	MR. HARLEY: Question 23. In
19	Illinois EPA's response to Board staff questions
20	for first hearing at the beginning of page 12,
21	Illinois EPA states that an alternative thermal
22	effluent limit could take various forms including,
23	quote, additional excursion hours only with the
24	discharge otherwise complying with a maximum L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 35 1 temperature and mixing zone rules, unquote. 2 In Illinois EPA's view, would an 3 alternative thermal effluent limitation in the 4 form of granting additional excursion hours be the 5 same as the relief that Illinois EPA previously 6 granted in the form of provisional variances that 7 granted additional excursion hours? 8 MR. BIELAWSKI: Can I raise a 9 I don't know what is meant by "be the question? 10 same" in this context. MR. HARLEY: Be the same in effect. 11 Be the same in practical effect. 12 13 MR. TWAIT: I think it would depend 14 on the relief that was sought. 15 MR. HARLEY: Can you explain in 16 terms of the different kinds of relief that might 17 be sought and how that would effect the answer to 18 your question? It's still not clear 19 MR. BIELAWSKI: 20 to me whether he means to be the same in effect. 21 Are we talking about a period of time? Are we 22 talking about the effect on the balanced 23 indigenous population? It is a very unclear 24 question. L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 36 1 MS. OLSON: I think you might need 2 to provide some facts behind these questions for 3 us to be able to answer like, for example, what is 4 the relief in the 316(a) demonstration that was 5 granted for how many hours, for how many years, 6 how long was the provisional variance, what was 7 the temperature, what was the stream flow? There 8 are too many facts, for him to be able to provide 9 an answer to that question, that are missing. 10 MR. HARLEY: Mr. Hearing Officer, I 11 accept that objection and I think that if we would 12 like to get an Agency response to this question it 13 would be fair for us to be more clear in the way 14 Therefore, I'll withdraw we asked this question. 15 the question as it's been asked here and if we 16 decide to pursue it we'll submit it separately to 17 the Board. 18 MR. ROBERTSON: Thank you. 19 MR. BIELAWSKI: Thank you. 20 MR. HARLEY: Ouestion 24. Does 21 Illinois EPA plan to discontinue using provisional 22 variances to grant relief from thermal limits in 23 NPDES permits, which it should say, if this 24 proposed rule is implemented? And in light of US L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 37 1 EPA's letter from Tinka Hyde to Marie Willhite, 2 dated February 25th, 2013 -- and, Mr. Hearing 3 Officer, if I may approach? 4 MR. ROBERTSON: Yes. Is it my 5 understanding you want to enter this as a hearing 6 exhibit? 7 MR. HARLEY: Yes, Mr. Hearing 8 Officer. On the off chance that it is not already 9 part of the record. 1.0 (Document marked as IPCB Exhibit 11 No. 4 for identification.) 12 MR. ROBERTSON: Are there any 13 objections to entering this exhibit? 14 MS. OLSON: None from the Agency. 15 MR. BIELAWSKI: None. 16 MR. ROBERTSON: At this time, I am 17 entering as Exhibit 4 a letter dated February 18 25th, 2013, from the United States Environmental 19 Protection Agency from Tinka Hyde to Maria 20 Willhite spelled W-I-L-L-H-I-T-E. 21 MR. HARLEY: Mr. Twait, before you 22 proceed with your answer to question 24, are you 23 familiar with this letter? 24 MR. TWAIT: I have not read the L.A. COURT REPORTERS, LLC. (312)419-9292

1 letter, but I was aware of it.

2 MR. HARLEY: Question 24. Does 3 Illinois EPA plan to discontinue using provisional 4 variances to grant relief from thermal limits in 5 NPDES permits if this proposed rule is 6 implemented? 7 I'd like to raise the MS. OLSON: 8 same concern for this question. We have no idea 9 what relief is being sought in the provisional 10 We have no idea of the facts behind the variance. 11 request and we have no idea whether a provisional 12 variance will even be requested. So I think that 13 any answer from the Agency on this point would 14 largely be based on speculation. 15 I'm asking this not MR. HARLEY: 16 from any case specific point of view, but as a 17 general policy letter. 18 And my response to you MS. OLSON: 19 is it would be a site by site, case by case 20 specific answer and unless we have the site by 21 site and case by case facts, we would be unable to 22 tell you whether or not we would grant a 23 provisional variance. 24 I think regardless my MR. TWAIT: L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 39 1 answer will have to be that I'm not the person 2 making this decision. 3 MR. HARLEY: So as of today we don't 4 know what the effect of this proposed rule will be 5 on future provisional variances either as a policy 6 matter or on a case by case matter, is that 7 correct? I believe that is 8 MS. OLSON: 9 correct. We cannot say today whether or not we're 10 going to grant a provisional variance that is 11 requested five years from now. That is something 12 that we just can't speculate to. 13 MR. HARLEY: Mr. Hearing Officer, 14 that concludes our questions. I want to thank the 15 Board for giving us the opportunity to ask these 16 This is the best we could do on 24 questions. 17 hours notice and, Mr. Twait, thank you so much for 18 answering these questions under a tough set of 19 circumstances. 20 MR. ROBERTSON: Thank you, 21 Mr. Harley. I will also just for the benefit of 22 the transcript want to make clear that the 23 document that was being referred to starting with 24 question five, which is Attachment C to the L.A. COURT REPORTERS, LLC. (312)419-9292

Page 40 1 Agency's initial filing, is a US EPA memorandum 2 dated 28 October 2008 and the subject was 3 Implementation of Clean Water Act Section 316(a) 4 Thermal Variances in NPDES Permits Review of 5 Existing Requirements. Thank you. I think we 6 just have one follow-up question. 7 MS. GLOSSER: I have one follow-up 8 question related to some of the questions 9 Mr. Harley asked about the Fish and Wildlife 10 Service and balanced indigenous population. 11 Does the Agency have or is it up 12 to the applicant to work with Fish and Wildlife 13 Service when they know that suddenly endangered, 14for example, mussels species might be present in 15 the area of the district? 16 MR. TWAIT: I know of one facility 17 that has consulted with Fish and Wildlife Service 18 over endangered mussels. You know, if they know 19 that they are there, then they would be 20 well-advised to consult with them. 21 MS. GLOSSER: But it would be the 22 applicant's responsibility to consult with Fish 23 and Wildlife Service rather than the Agency's? 24 MR. TWATT: Yes. L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 41 1 MS. GLOSSER: And what would be the 2 source of information for the applicant to know 3 whether or not federal or state listed species 4 would be present? 5 I would hope that the MR. TWAIT: 6 Agency could bring it up during the early 7 screening period. 8 MS. GLOSSER: You mean the EPA would 9 bring it up? 10 MR. TWAIT: Yes, if we knew of 11 endangered mussels or fish. 12 MS. GLOSSER: Thank you. 13 MS. ZALEWSKI: I have a question. 14 Is the language "representative important 15 species," is that meant to capture this type? Ι 16 just want to make sure I'm looking at the correct 17 language on 106.1120. Is that what you're 18 thinking? 19 MR. TWAIT: Did you say 20 representative important species? 21 MS. ZALEWSKI: Is that what you were 22 envisioning in teasing this information out? 23 No, the representative MR. TWAIT: 24 important species might be fish that you would L.A. COURT REPORTERS, LLC. (312) 419-9292

expect sporting fish and it could be endangered species -- yeah, I think -- now that I think about it, yes.

MR. BIELAWSKI: As a representative of a potential applicant, can I ask a question about that? When selecting your representative important species, does the applicant have an obligation to provide the Agency with information pregarding the biotic community in the receiving stream?

MR. TWAIT: Yes, I believe they do. MR. BIELAWSKI: And that would presumably identify all the species including those that might be endangered?

MR. TWAIT: Yes.

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16 MR. BIELAWSKI: And from that list, 17 the Agency selects the representative important 18 species to be studied in more detail, is that 19 correct? 20 MR. TWAIT: I think the Agency will 21 work with the applicant to select something? 22 MR. BIELAWSKI: Okay. Can I ask a 23 few more questions? 24 MR. ROBERTSON: Please go ahead.

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Page 43 1 MR. BIELAWSKI: Staying on that 2 theme. 316(a) does not absolve an applicant from 3 complying with the requirements of the Endangered 4 Species Act, does it? 5 MR. TWAIT: I don't believe so. 6 MR. BIELAWSKI: So as someone 7 mentioned, an applicant would be well-advised to 8 consult with Agency's responsible for the 9 endangered species -- protecting the endangered 10 species and conducting a 316(a) demonstration 11 requesting alternate limits? 12 MR. TWAIT: Yes. 13 MR. BIELAWSKI: With regard to the term "variance," does the act, the Clean Water Act 14 15 316(a) language, mention the word "variance"? 16 MR. TWAIT: Yes, I believe it does. 17 MR. BIELAWSKI: Take another look, 18 please. 19 MR. TWAIT: No, I don't think it 20 does. 21 MR. BIELAWSKI: So when the feds --22 this calls for some speculation. Hopefully, 23 nobody will object. When the federal agency 24 refers to relief of the alternate effluent limits L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 44 1 allowed by Section 316(a), when they refer to that 2 as being a 316(a) variance, is that term 3 "variance" the same as the term used in the 4 Illinois Environmental Protection Act? 5 MR. TWAIT: No. 6 MR. BIELAWSKI: Would it be fair to 7 say it's shorthand for relief from generally 8 applicable limits in the form of alternate 9 effluent limits allowed by 316(a)? 10 MR. TWAIT: I would think that's 11 fair to say. 12 MR. BIELAWSKI: With regard to the 13 guidance, the 1977 Guidance Manual, are you aware 14 that that guidance manual is still to this day in 15draft form? 16 MR. TWAIT: Yes. 17 MR. BIELAWSKI: Does that suggest anything to you with regard to whether that ought 18 19 to be made -- that draft guidance ought to be made 20 part of Illinois regulations? 21 MR. TWAIT: I'm not sure why it 22 didn't get finalized. 23 MR. BIELAWSKI: But given that it's 24 not finalized, do you think it's appropriate to L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 45 1 put draft guidance -- to put draft guidance into 2 Illinois regulations? 3 MR. TWAIT: I think in our response 4 we said considering the draft age and the draft 5 nature of the '77 document, we didn't believe inclusion was appropriate. 6 7 MR. BIELAWSKI: Okay. Thank you. 8 Not unless to the extent it's reuseable, it will 9 be used by the Agency in reviewing 316(a) 10 applications and demonstrations, is that correct? 11 MR. TWAIT: Yes. 12 MR. BIELAWSKI: With regard to 13 nuisance organisms, can nuisance organisms that 14 develop effect a balanced indigenous population in 15 a receiving stream? 16 MR. TWAIT: I would believe they 17 could. 18 MR. BIELAWSKI: So when an applicant 19 studies the effects of its thermal discharges on 20 the balanced indigenous population, would an 21 applicant generally be required to consider the 22 growth of nuisance organisms as a result of 23 thermal discharges? 24 I believe so. MR. TWAIT: If you L.A. COURT REPORTERS, LLC. (312) 419-9292

had a large portion of nuisance organisms, I'm sure that would effect the balanced indigenous populations.

4 MR. BIELAWSKI: Returning now to the 5 endangered species issue now for a moment. 6 Insofar as IDNR and US Fish and Wildlife are 7 notified of the request for 316(a) relief, would 8 it be in your view -- would that present them with an opportunity to raise any issues that they might 9 10 have with regard to that relief on endangered 11 species?

Yes.

12 MR. TWAIT:

13 MR. HARLEY: I'm going to object to 14 that question because I don't believe there's 15 anything either in the proposed rule or in the 16 Agency's response to comments which suggest that 17 US Fish and Wildlife Service would be notified. 18 MS. OLSON: In our response, we 19 indicated that we propose that the applicant 20 notify DNR upon filing with the Board. We did not 21 include US Fish and Wildlife. 22 MR. BIELAWSKI: Understood. T!]] 23 revert back to my earlier point being that it

²⁴ would be in the applicant's interest to address L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 47 1 endangered species issues that come within the province of US Fish and Wildlife in obtaining 2 3 316(a) relief, is that correct? 4 MR. TWAIT: Yes, I believe so. 5 MR. BIELAWSKI: That's all I have. 6 Thank you. 7 MR. ROBERTSON: Thank you. Before 8 we get to Board questions, does anyone else have 9 any questions for the Agency at this stage? 10 Seeing none, I'll go to the Board's technical 11 unit. 12 MS. LIU: Good morning Mr. Twait. 13 Just for the record. In case we don't already 14 have it, could you please state your title with 15 the Agency. 16 I'm an environmental MR. TWAIT: 17 protection engineer. 18 The Bureau of? MS. LIU: 19 MR. TWAIT: Bureau of Water. Water 20 Quality Standards Section. 21 MS. LIU: Thank you. My first 22 question. In response to question two of the 23 September 12th, 2013, Hearing Officer order, the 24 Agency stated that the Board should determine on a L.A. COURT REPORTERS, LLC. (312) 419-9292

case by case basis the alternative thermal effluent limitation along with any mixing zone or compliance point. Would you please comment on whether there would be a situation where an alternative thermal effluent limitation would be granted without a mixing zone.

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7 MR. TWAIT: Without a mixing zone or 8 without a mixing zone relief? The Agency has 9 proposed language to indicate what relief the 10 applicant is looking for. It's possible that they 11 have a current mixing zone and the additional 12 relief might be only on excursion hours. It's 13 possible that they might want a larger mixing zone 14than what 302.102 gives them or it's possible that 15 they just want a higher temperature at the edge of 16 the mixing zone.

MS. LIU: So that assumes that theyalready have a mixing zone?

19 MR. TWAIT: Yes, that assumes they 20 have a mixing zone and I think it's best that they 21 specify in their relief request exactly what 22 they're asking for whether it's -- whether or not 23 the mixing zone is included in there for relief. 24 MS. LIU: For a new discharger that L.A. COURT REPORTERS, LLC. (312)419-9292

	Page 49
1	doesn't already have an existing mixing zone,
2	would there ever be a situation where you would
3	have an alternative thermal effluent limitation
4	without the mixing zone?
5	MR. TWAIT: I don't know if the
6	if there will be a new power plant built that
7	needs 316(a) relief. I think the technology or
8	the I think the next facility will probably be
9	a closed-cycle cooling facility.
10	MS. LIU: My second question goes to
11	kind of what you said already, but just in case
12	you wanted to add to it I'll ask the question.
13	Again in response to question number two of the
14	September 12th, 2013, Hearing Officer order, the
15	Agency proposed additional language as Section
16	106.1130(g) for the contents of the petition that
17	would add a requirement that the petitioner
18	include, quote, a statement of the requested
19	relief including: any relief from the mixing
20	zone regulations in 302.102 if applicable.
21	Would you please comment on
22	whether the Agency believes there are any specific
23	requirements under 302.102 that a petitioner must
24	seek relief from when filing a petition for an L.A. COURT REPORTERS, LLC. (312) 419-9292

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Page 50 1 alternative thermal effluent limitation? 2 MR. TWATT: I don't think that there 3 is any one example that would be in all 316(a) 4 relief. 5 MS. LIU: Thank you. 6 MR. RAO: A couple more questions 7 for you, Mr. Twait. In the Agency's statement of 8 reasons, the Agency states that proposed Section 9 106.1135, petition notice requirements, was 10 modeled after Section 104.408(b) of the Board's 11 procedural rules. Section 104.408(b) requires, as 12 part of the notice requirements, that the notice 13 include "a general description of the petitioner's 14 activity that is the subject of the adjusted 15 standard proceeding. Should the Board include 16 similar language in Section 106.1135(b)? 17 MR. TWAIT: I believe so. 18 MS. OLSON: Can you repeat the 19 phrase? 20 MR. RAO: Basically you're not 21 asking for a general description of the 22 petitioner's activity to be provided in the 23 proposed language and we were wondering if there 24 is a specific reason for not asking for the L.A. COURT REPORTERS, LLC. (312)419-9292

Page 51 1 information or should that be included as part of 2 it? 3 MR. TWAIT: I don't think there was 4 a reason for not putting it in. 5 MR. RAO: Okay. Thank you. Last 6 question we have is in the Agency's response to 7 Board question number 3A. The Agency states that 8 it plans to consult with US EPA regarding US EPA's 9 interpretation of Section 316(c). Does the Agency 10 have a timeframe that it expects to receive a 11 response from US EPA? 12 MR. TWAIT: We haven't been able to 13 talk to US EPA so I think once they get back to 14 work we'll be giving them a call. 15 MR. RAO: Hopefully tonight. Thank 16 you. 17 MR. ROBERTSON: Thank you. At this 18 time, do any Board members have any additional 19 questions for the Agency or members of the Board 20 staff? 21 MS. LIU: I don't want to beat a 22 dead horse. 23 MR. TWAIT: It's okay. 24 MS. LIU: For a discharger who L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 52 1 already has a mixing zone and now they're applying 2 for an alternative thermal effluent limitation 3 because there is some sort of a change, they want 4 a larger mixing zone or something along those 5 lines, would they need to go back and through all 6 those points that are required in a mixing zone 7 under the mixing zone provisions and show all of 8 those things again going back to the beginning 9 or --10 If they wanted relief MR. TWAIT: 11 from let's say 25 acres -- 16 acres -- if they 12 wanted any particular relief they would just have 13 to specify what relief it was. 14 MR. RAO: It's not like they have to 15 make a demonstration that they qualify for a 16 mixing zone one more time is what we're asking? 17 MR. TWAIT: I think they would. 18 Especially if they're asking for something --19 relief. 20 MR. RAO: If you need more time to 21 look at this and get back to us, that's fine. 22 MR. BIELAWSKI: Can I ask a question 23 that might clarify the mixing zone issue? 24 Mr. Twait, is -- if an applicant were to ask for L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 53 1 increased temperatures at -- that would be 2 measured at the edge of the mixing zone, would 3 another way of obtaining that same relief be to 4 expand the mixing zone to a larger area which 5 would allow for additional cooling in the mixing 6 zone to get to the temperature that otherwise 7 would apply? 8 MR. TWAIT: Yes. And part of the 9 316(a) demonstration you have to show the 10 protection and propagation of a balanced 11 indigenous community and those would be the same 12 goals as an expanded mixing zone. 13 MR. BIELAWSKI: So, in other words, 14 is it fair to say that to demonstrate protection 15 of the balanced indigenous population, that would 16 exist within the entire receiving stream including 17 the impact of the mixing zone? 18 MR. TWAIT: I believe so. 19 MR. BIELAWSKI: Thank you. 20 MR. HARLEY: May I ask a follow up? 21 Has Illinois EPA's approach to mixing zones been 22 reviewed and approved by US EPA? 23 MR. TWAIT: They've approved our 24 mixing zone rules, yes. (312) 419-9292 L.A. COURT REPORTERS, LLC.

Page 54 1 MR. RAO: I think what we were 2 asking was -- based on your clarification 3 question. If they ask for a larger site on the 4 mixing zone, would that be considered as part of 5 the relief or should they also make a 6 demonstration under 302.102 that starting from 7 scratch like whether they qualify for a mixing 8 zone in the first place? That was the question 9 whether they have to go through that process or is 10 it just they are asking for a change in the mixing 11 zone? 12 MR. TWAIT: We think they'd only 13 have to do 316(a) relief and demonstrate that they 14 have a balance and indigenous -- a balanced, 15 indigenous community. 16 A follow-up question. MR. HARLEY: 17 Has US EPA reviewed and given you any indication 18 whether or not that approach to mixing zones is 19 acceptable? 20 We haven't asked. MR. TWAIT: 21 MR. RAO: One final question. Ιf 22 the Board receives a petition for alternative 23 thermal limitation and grants it, will the 24 granting have to be approved by US EPA in some L.A. COURT REPORTERS, LLC. (312) 419-9292

Page 55 1 form once it is incorporated into a permit? 2 MR. TWAIT: Since it is a permit 3 action, they review it as part of the permit and 4 we have a provision 106.1175. We've got a 5 provision as to what we do if they object to 6 issuance of the permit. It's under post-hearing 7 procedures Subpart B. 8 MR. RAO: Did you say 115? 9 MR. TWAIT: 1175. 10 MR. RAO: Thank you very much. 11 Does anybody else MR. ROBERTSON: 12 have any additional questions for the Agency at 13 this stage? Seeing none, is there anyone else who 14 would like to testify on any matter in this 15 proceeding? Seeing none, the Board does have a 16 couple additional items to address. 17 Firstly, on July 18th, the Board 18 requested that DCEO conduct an Economic Impact 19 Study for this rulemaking. On August 7th, DCEO 20 responded stating that they are unable to 21 undertake such a study. Does anyone have any 22 comments on the Board's letter or DCEO's response? 23 Seeing none, we next have the two letters dated 24 August 9th and 14th from JCAR requesting a Board L.A. COURT REPORTERS, LLC. (312) 419-9292

1 analysis of economic and budgetary effects of this 2 rulemaking.

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3 As stated at the first hearing, 4 the Board does intend to submit this analysis at 5 second notice. Does anybody have any comments on 6 these letters? Seeing no comments -- as also 7 discussed at the first hearing on July 24th, JCAR 8 submitted its first notice version as a proposal 9 for use in creating second notice changes. A copy 10 of this first notice version is available on the 11Board's website. Does anyone have any comments on 12 the JCAR first notice version document at this 13 stage?

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Seeing none, I also wanted to 15 note at that first hearing in response to a 16 comment the Agency entered as Agency Exhibit 2 a 17 document entitled Interagency 316(a) Technical 18 Guidance Manual and Guide for Thermal Effects 19 Sections of Nuclear Facilities Environmental 20 Impact Statements. This exhibit has been made 21 available on the Board's website. Around page 84 22 of that exhibit it begins what appears to be a new 23 document entitled Guidance for Evaluating the 24 Adverse Impact of Cooling Water Intake Structures (312) 419-9292 L.A. COURT REPORTERS, LLC.

Page 57 1 on the Aquatic Environment Section 316(b)PL 2 92 - 500. I raise this to ensure that everyone is 3 aware of this second document. I have a copy of 4 the exhibit, too, if you need to see it. I just 5 want to make sure that no one has any comments at 6 this stage under Agency Exhibit 2. 7 MR. BIELAWSKI: For the record, I would suggest that 316(b) issues are not germane 8 9 to this rulemaking and I don't know if there is a 10 way of removing them from this record or just 11 indicating that they really aren't relevant. Ι 12 don't believe we --13 MS. OLSON: I was given the guidance 14 in a PDF and I printed it out shortly before the 15 hearing and I just assumed it was the guidance. Ι 16 apologize for the error and if there is no 17 objection I don't mind removing it from -- I'm not 18 sure if we can remove it from the record, but, if 19 possible, we have no objection to that. 20 MR. ROBERTSON: Is there any 21 objection to removing this second document from 22 the Agency, Exhibit 2? Okay. Seeing none, the 23 Board will grant Agency Exhibit 2 removing the 24 second portion of the exhibit, which was L.A. COURT REPORTERS, LLC. (312)419-9292

inadvertently added at first hearing. At this point does, anyone have any other questions on anything in this proceeding?

4 MR. BIELAWSKI: I have a procedural 5 question. The Agency response to Mr. Harley's 6 questions indicated that they would be providing 7 responses later. Is there going to be an order 8 establishing a timeline for those responses and 9 then presumably an opportunity for others to 10 comment based on the entire record before we move 11 on?

MS. OLSON: The Agency would not mind filing our responses before any comment period giving you guys an opportunity to then comment on our responses.

16 MR. ROBERTSON: Okay. And the Board 17 does intend to set deadlines today for any 18 post-hearing filings that we will discuss shortly. 19 MR. BIELAWSKI: Thank you. 20 MR. ROBERTSON: Is there any 21 additional questions? Seeing none, at this stage, I would like to go off the record in order to 22 23 discuss the deadlines for post-hearing filings. 24 Thank you. L.A. COURT REPORTERS, LLC. (312)419-9292

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1	(Whereupon, a discussion was had
2	off the record.)
3	MR. ROBERTSON: We're back on the
4	record now. As mentioned, we went off briefly to
5	discuss the filing period. So, as agreed to, the
6	Agency will file its responses to questions from
7	today's hearing on I believe it's Wednesday,
8	November 13th and following that the deadline for
9	public comments and any Agency post-hearing briefs
10	will be Wednesday, December 11th. Did anyone have
11	any additional questions? Seeing none, I would
12	like to thank all of you for your time in
13	attending this hearing today and, with that, we
14	are adjourned. Thank you.
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2) SS.
3	COUNTY OF COOK)
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5	I, Steven Brickey, Certified Shorthand
6	Reporter, do hereby certify that I reported in
7	shorthand the proceedings had at the trial
8	aforesaid, and that the foregoing is a true,
9	complete and correct transcript of the proceedings
10	of said trial as appears from my stenographic
11	notes so taken and transcribed under my personal
12	direction.
13	Witness my official signature in and for
14	Cook County, Illinois, on this $\frac{28^{1/4}}{100}$ day of
15	<u>Octobe</u> , A.D., 2013.
16	
17	
18	
19	
20	Stearen Bunky
21	STEVEN BRICKÉY, CSR 8 West Monroe Street
22	Suite 2007 Chicago, Illinois 60603
23	Phone: (312) 419-9292 CSR No. 084-004675
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