)
) No. R20-18
) (Rulemaking-Air)
PROPOSED NEW 35 ILL. ADM.
CODE 249 ETHYLENE OXIDE )
AMBIENT AIR MONITORING )
REPORT OF THE PROCEEDINGS held in the above entitled cause before Hearing Officer Mark Kaminski, called by the Illinois Pollution Control Board, taken by Steven Brickey, CSR, RMR, for the State of Illinois, 100 West Randolph Street, Chicago, Illinois, on the 25th day of June, 2020, commencing at the hour of 1:10 p.m.

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    MR. MARK KAMINSKI, Hearing Officer
    MS. BARBARA FLYNN CURRIE, Chairwoman
    MS. MARIE TIPSORD, General Counsel
    MR. ANAND RAO, Technical Unit
    MS. ESSENCE BROWN, Technical Unit
    MS. SHANNON BILBRUCK
    MS. BRENDA CARTER
    MR. JARED BLACK
    MR. BRENDAN KILLIAN
    MR. DAVID BLOOMBERG
    MS. ANTONETTE PALUMBO
    MS. DANA VETTERHOFFER
    MR. RORY DAVIS
    MR. RANGANATH GURRAM
    MS. AMELIA CHEEK
    A P P E A R A N C E S
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            E X H I B I T S
    
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HEARING OFFICER KAMINSKI: Good
afternoon and welcome to the Illinois Pollution
Control Board hearing. My name is Mark Kaminski
and I am the Hearing Officer for this rulemaking
proceeding entitled Rulemaking for Proposed New
Ill. Adm. Code -- I'm sorry -- 35 Ill. Adm. Code
249 Ethylene Oxide Ambient Air Monitoring. The
board docket number for this rulemaking is R20-18.
Board are Board members Carter and Chairman
Currie. Board staff present in the Chicago office
Marie Tipsord and myself Mark Kaminski and in the
Springfield hearing room Shannon Bilbruck and on
Gurram. I believe that's everybody.
thebex we have Essence Brown and Anand Rao of
the Technical Unit, Jared Black and -- sorry. I
just had to pause for some sound there. And
Brendan Killian. And also on Webex are David
Vetterhoffer, Rory Davis and do we still have
Mr. Ranganath Gurram?

[^0]Amelia Cheek.
HEARING OFFICER KAMINSKI: I'm sorry. Say that again.

MS. TIPSORD: Amelia Cheek.
HEARING OFFICER KAMINSKI: And also
on Webex Amelia Cheek.
MS. TIPSORD: And we have several
call-in users that are unidentified.
HEARING OFFICER KAMINSKI: Should we
take this moment to try to get identification?
MS. TIPSORD: We can try. We'll
unmute everybody.
HEARING OFFICER KAMINSKI: Those
that are on the phone --
MS. TIPSORD: We've unmuted
everyone. If you're calling in, identify yourself if you would like to, please. Okay.

HEARING OFFICER KAMINSKI: Thank you.

MS. TIPSORD: Hang on one second.
I'm going to mute everybody.
HEARING OFFICER KAMINSKI: Just to
make sure technical-wise, the Springfield room please raise your hand if you can hear me. Thank

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you.
This hearing is governed by the Board's procedural rules. All information that is relevant and that is not repetitious or privileged will be admitted into the record. Please bear in mind that any questions posed today by the Board and staff are intended solely to help develop a clear and complete record for the Board's decision and do not reflect any decision on the proposal, testimony or other questions.

Due to COVID-19, in addition to the video conferencing, we are allowing Webex participation via computer and phone. As a reminder, pre-filed testimony is available to our -- to view on our clerk's office online, or COOL, through the Board's website. Simply search the docket number R20-18.

For the sake of our court reporter, please speak clearly and avoid speaking at the same time as another person so that we can help produce a clear transcript. I would note given that many of us are on a conference line please consider an extra pause when speaking to make sure we do not speak over each other and have

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trouble getting an accurate record. Thank you.
For those participating by Webex either on the phone or using the call me feature for sound, if you want to speak during the hearing, please take your phone off speakerphone and talk into the phone normally as it will produce a much clearer sound. If you wish to speak, you will also have to unmute yourself. All individuals entering the Webex feed are muted upon entry. For those on a computer, you can click the microphone symbol to unmute yourself. For those participating as call-in users, you must press Star 6 on your keypad to unmute yourself.

I would also like to note there are many -- there may be a slight delay in the Webex video. So be mindful of that when communicating with each other. Also as a result of using Webex, we are video recording today's hearing to ensure our court reporter is able to get an accurate transcript. Once the Board receives the transcript, the recording will be destroyed.

Due to the issues related to the COVID-19 pandemic, the first hearing and the
second hearings in this docket were canceled. On May 18th, 2020, the first hearing was rescheduled for today June 25th, 2020. The Board published notice of this hearing in several newspapers: On May 20th, 2020, in the Belleville News Democrat, Peoria Journal Star, Rockford Register Star, Springfield Journal-Register, Centralia and Mount Vernon Morning Sentinels and LaSalle New Tribune. On May 21st, the Chicago Sun Times, the Metropolis Planet and Champaign News-Gazette, on May 22 nd in the Moline Dispatch and on May 27th the Galena Gazette.

On February 6th, 2020, the Hearing Officer directed participants intending to testify at this hearing to pre-file their testimony by February 27th, 2020. On February 27th, 2020, the Board received pre-filed testimony on behalf of the Illinois Environmental Protection Agency which I'll refer to as the Agency for the remainder of this hearing by David Bloomberg. No other participant filed pre-filed testimony -- or pre-filed testimony. On March 12, 2020, the Board pre-filed questions based on the Agency's pre-filed testimony. On

[^2]June 24, 2020, the Agency pre-filed answers to those questions. No other questions were pre-filed. If the participants wish to pre-file answers, that should have been pre-filed by yesterday and have done so.

To address the order of the hearing, have we had any requests from anybody regarding making comments? At this time, can you unmute the lines? If there is any one of the callers or on Webex, do you have any interest in offering public comments at this hearing?

Remember, again, it's unmuted. Okay. Thank you. Hearing none, we'll go back on.

MS. TIPSORD: Double check to be sure they can hear us.

HEARING OFFICER KAMINSKI: Again, Springfield raise your hand if you can hear me. Thank you.

So the first thing we will
address is the Agency's pre-filed testimony. Section 104.424(f) of the Board's procedural rules provide that this pre-filed testimony will be entered into the record as if read, but the Agency may begin with a brief introduction or summary if

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it wishes to do. So we will then turn to questions for the Agency's witness and as time allows we can determine whether anybody wishes to offer public comment after as well.

Any questions about the order of proceeding?

MS. TIPSORD: Remember to unmute yourself Star 6 by phone and click the microphone.

HEARING OFFICER KAMINSKI: Again, hearing none we will then move onto the testimony. Would the --

MS. PALUMBO: I'm sorry, Mark. I didn't realize you were asking for the introductions at this time. We do have introductions.

HEARING OFFICER KAMINSKI: Then please proceed.

MS. PALUMBO: Thank you. Good afternoon, everyone. My name is Antonette Palumbo. I'm an assistant counsel in the Air Regulatory Unit of the Illinois Environmental Protection Agency's Division of Legal Counsel. Joining me today by phone is Dana Vetterhoffer. She is the deputy general counsel also in the

Division of Legal Counsel. We will have two witnesses available to the Board today and they will introduce themselves shortly.

This proposed rulemaking creates a new section of the administrative code and has proposed an order to meet the requirements of Section 9.16(n), a public act, 101-22 of the Environmental Protection Act, which was signed into law on June 21, 2019. This section requires the Agency to collect monitoring data to determine background levels of ethylene oxide, or ETO as it will be referred to in this hearing, in Illinois.

In order to meet this
legislative mandate, the Agency has proposed a six-month monitoring program that would collect ambient samples in five locations throughout the state representing urban, rural and suburban locations. No sources are directly impacted by this rulemaking and the Agency is the only entity that is charged with undertaking any action to comply.

The Agency pre-filed its
responses yesterday and the Agency's witnesses will do their best to answer any follow-up
questions that the Board may have.
Given the circumstances of this
hearing, some of the questions may need to be answered in the Agency's post-hearing comments. Thank you.

HEARING OFFICER KAMINSKI: Thank
you. At this time, I believe we should address Mr. Bloomberg's testimony.

Would the court reporter please
swear in the Agency witness.
WHEREUPON:

## DAVID BLOOMBERG

called as a witness herein, having been first duly sworn, deposeth and saith as follows:

HEARING OFFICER KAMINSKI: Thank
you. As mentioned earlier, the pre-filed testimony is entered into the record as if read.

Would you like to have the witness's pre-filed testimony be made a hearing exhibit?

MS. PALUMBO: Yes, we would.
HEARING OFFICER KAMINSKI: Thank
you. For the record --
MS. PALUMBO: Can you also swear in

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Rory Davis, our other Agency witness, please. HEARING OFFICER KAMINSKI: Yes, please. Court reporter, could you swear in Mr. Davis, please. Sorry. Rory Davis. WHEREUPON:

RORY DAVIS
called as a witness herein, having been first duly sworn, deposeth and saith as follows:

HEARING OFFICER KAMINSKI: Thank
you. For the record, is there any objection to the motion of the Agency to have the pre-filed testimony made a hearing exhibit? Hearing none, I grant the motion and I am marking the pre-filed hearing exhibit -- I'm sorry -- pre-filed testimony of David Bloomberg as R20-18 Exhibit 1 MGK 6/25/20.
(Document marked as Hearing
Exhibit No. 1 for
identification.)
HEARING OFFICER KAMINSKI: The
Agency has already offered a brief introduction for summary.

Is there anything else you wish to raise before we go to questions?

MS. PALUMBO: Would you like the witnesses to introduce themselves now or just as they answer the first question?

HEARING OFFICER KAMINSKI: I think a brief introduction or summary by the witnesses would be appropriate.

MS. PALUMBO: Okay. David.
MR. BLOOMBERG: Hello. My name is
David Bloomberg. While my background is contained within my pre-filed testimony, I also wanted to fully introduce myself in person, especially since we're in a bit of a different situation than normal. I am the manager of the Air Quality Planning Section, or AQPS, within the Bureau of Air at Illinois EPA and have been in this position since November 2012.

In 2014, the former air
monitoring section was also placed under my supervision and merged into AQPS. Prior to that position, I have been the manager of the Bureau of Air's Compliance Unit and an environmental protection engineer in the regulatory unit within AQPS. I have a Bachelor of Science degree in Ceramic Engineering from the University of
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Illinois in Urbana-Champaign.
I oversee all technical staff
tasked with air regulations, State Implementation Plan work, modeling, inventory development and maintenance, air monitoring, et cetera. In all of my positions, I have co-authored rules and technical support documents as is the case for this proposed rule. Since, as I mentioned, monitoring is contained within AQPS, my staff will be responsible for carrying out the ethylene oxide monitoring proposed in this rulemaking and I will be providing testimony or answers to questions regarding this proposal.

HEARING OFFICER KAMINSKI: Thank
you. I would note for the record as stated earlier pre-filed questions were filed on March 12th and pre-filed answers were filed on June 24th, 2020. I would propose just to have a full record these are available on COOL, but we can also refer to them as for the pre-filed questions Exhibit 2 to the hearing and the pre-filed answers to be Exhibit 3 to the hearing. Do you have any objections?

MS. PALUMBO: No objections from the

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Agency.
(Documents marked as Hearing Exhibit No. 2-3 for identification.)

HEARING OFFICER KAMINSKI: Thank
you. At this point --
MS. PALUMBO: Can Rory introduce
himself before you get going?
HEARING OFFICER KAMINSKI: Yes.
Rory, can you please introduce yourself.
MS. PALUMBO: Thank you. Rory, can you hear us?

MR. DAVIS: Yeah, am I here? Okay. My name is Rory Davis. I'm the manager of the Regulatory Development Unit in the Air Quality Planning Section of Illinois EPA's Bureau of Air. I only recently became manager of that unit, but have been an environmental engineer in the Air Quality Planning Section since 2005.

I have a Bachelor of Science degree in computational physics and in mathematics from Illinois State University and I have a master's degree in engineering from the University of Illinois Chicago with a concentration on

[^3]environmental engineering and I have been a licensed professional engineer in Illinois in the environmental discipline since 2010.

In my current position with the
Agency, my duties include providing technical support for regulatory proposals and I was responsible for assembling the Technical Support Document, or the TSD, for this rulemaking. I will be providing testimony regarding proposed regulations and hope $I$ can answer any questions that the hearing participants may have. Thanks.

HEARING OFFICER KAMINSKI: Thank you. For this case, we have the filed questions and pre-filed answers that are on the clerk's website COOL. However, there are additional questions that the Technical Unit wants to raise with the Agency witnesses.

As far as, Mr. Davis, is it -were you part of the group that responded to the questions yesterday on June 24 th for the Agency? MR. DAVIS: Yes, I was involved with that.

HEARING OFFICER KAMINSKI: And so at this point we have the -- we have the answers to

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them, but we have some follow-up questions. I would ask that is there specific areas that Mr. Davis will be addressing versus Mr. Bloomberg or are we just going to get an answer from whoever has that information?

MR. BLOOMBERG: I think you'll
probably get an answer from whoever has it. I suspect I will be answering most questions, but we'll see what happens.

HEARING OFFICER KAMINSKI: Okay. Thank you. The Technical Unit has asked me to read some of the questions just to make sure we get a clear record. However, they will be doing the follow-up questions if there are some. Thank you. Okay.

Addressing the first one. In
response to the Board's question $2 B$, the Agency states that the ambient levels would be determined on a broader regional basis. Please clarify whether there will be a single statewide ambient level. If not, explain how the state will be divided into different regions to establish ambient levels.

MR. BLOOMBERG: I don't think that

[^4]that is a question that we can answer right now until we see the data. We don't know if there will be differences between urban, suburban and rural backgrounds. You know, we want to make sure that we have a monitor at least in each of those locations across the state so we do -- so that we can find that out, but as of this time we -- we just don't know yet.

HEARING OFFICER KAMINSKI: Thank
you.
MR. BLOOMBERG: Certainly. MR. RAO: So there is a possibility that you may have different ambient levels based on suburban versus rural, is that what you're saying?

MR. BLOOMBERG: Yes, I would say
that is possible.
MR. RAO: Thank you.
HEARING OFFICER KAMINSKI: Thank
you. Moving onto the second question. This is just the Board thanks the Agency for providing sufficient information and clarification in response to question 3A. So there is no need for additional information on that.

[^5]B, provided by the Agency in response to question 3B indicates that the proposed ETO monitors at Northbrook and Schiller Park appear to be in the vicinity of several permitted ETO sources.

A, please comment on whether these monitors would be impacted by ETO emissions from the permitting sources.

MR. BLOOMBERG: I recognize that it looks that way when you're -- when you're on a whole map of Illinois, but when we have looked at it closer up over time or, you know, when we've looked at it, we do not believe that they are close enough to be impacted by ETO sources.

HEARING OFFICER KAMINSKI: Mr. Rao, do you have any follow-up on that?

MR. RAO: Yes. David, when you say when you looked at it closer, what exactly do you mean? Did you use any data to make the determination?

MR. BLOOMBERG: I just mean that when you look -- you know, what we gave you, what the Board asked for, was a map of the State of Illinois. So when you get that they all kind of
get crunched together up in the Chicago area there, but I think -- sorry. I have to switch back and forth between screens here.

I think when you look at the -actually, that's in -- I think that's in the Technical Support Document itself. You know, Northbrook is -- it's listed in Table 1 of the Technical Support Document.

Northbrook is three-and-a-half
miles from Highland Park Hospital and Sun
Chemical -- I'm sorry. Schiller Park is 4.65
miles from Sun Chemical. So since it has appeared that ETO is a highly localized pollutant, we do not think it being three-and-a-half miles away would be an issue.

MR. RAO: Okay. So from the table
that you provided us in your answer, it looks like the closest source would be three-and-a-half miles, right?

MR. BLOOMBERG: Yes.
MR. RAO: Most of them are much --
you know, the distance is much higher?
MR. BLOOMBERG: Right.
MR. RAO: So what you're saying is

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if the monitoring is three or four miles away, it won't be impacted by the emissions?

MR. BLOOMBERG: Correct.
MR. RAO: Okay. Thank you.
HEARING OFFICER KAMINSKI: Thank
you. Just to follow up on that. If you want to offer any further comment on whether Northbrook and Schiller Park's ETO monitors should be replaced with monitors in the regions of Kane or McHenry County not impacted by multiple ETO sources considering the Agency's response to question 1A that the ambient levels determined under the proposed rule are intended to represent the background concentrations of ETO where air quality is not impacted by the permitted ETO emitting sources.

> MR. BLOOMBERG: I'm sorry. I only got part of that question.

Can you repeat the first part?
I think I know what you asked, but $I$ want to make sure.

## HEARING OFFICER KAMINSKI:

Certainly. I'll start over. If so, please comment on whether the Northbrook and Schiller

[^6]Park's ETO monitors should be replaced with monitors in the region Kane or McHenry County not impacted by multiple ETO sources considering the Agency's response to question 1A that ambient levels determined under the proposed rule are intended to represent the background concentrations of ETO where air quality is not impacted by the permitted ETO emitting sources.

MR. BLOOMBERG: I think that my
answer to the prior question kind of addresses this because it started out if so. So since we do not believe -- there is no reason to believe that these monitors are impacted then, no, we do not see a reason to change to different locations and, in fact, moving further away would mean we don't have information about the more urban area.

HEARING OFFICER KAMINSKI: Thank
you. Mr. Rao --
MR. RAO: Yes, I have a follow-up.
So, David, when you do get the data after the monitoring is done, will you look at this data to see how there are any impacts from these sources, you know, based on the numbers you get when compared with some rule, I guess, with no

[^7]permitted sources?
MR. BLOOMBERG: I mean, we'll look at it, but there is no real way to say that it's being impacted by a particular source because we don't have background information yet. That's what this is giving us and what federal studies are giving us, but like I said --

MR. RAO: After you get that, will you make any evaluations?

MR. BLOOMBERG: We will certainly evaluate and, like I said, determine are there differences between urban and rural. What I'm saying is that having a source three-and-a-half miles away is not likely to be the cause of it. There may be other causes of having a higher urban background level such as automobiles or just the presence of industry in general rather than a particular source at a hospital.

MR. RAO: Okay. Thank you.
HEARING OFFICER KAMINSKI: Mr. Rao, at this time, I'm going to move on to the next question unless you have any further follow-up.

MR. RAO: No, I don't, Mark. You can move on.

[^8]HEARING OFFICER KAMINSKI: Thank
you. In response to Board's question 4B, the Agency states that there has been speculation that ETO levels could change seasonally and U.S. EPA and other entities are conducting research regarding seasonal fluctuations.

Please comment on whether the Agency intends to conduct additional monitoring to update the ETO ambient level if U.S. EPA's research indicates that temporal fluctuations must be accounted in establishing ETO ambient levels.

If not, would it be prudent to monitor ETO over a period of 12 months under the proposed rule to account for any seasonal variations or does the Agency expect seasonal variations to not exceed the 30 percent uncertainty associated with the methodology.

MR. BLOOMBERG: The Agency can always choose to monitor more if science comes out and says that this is a possibility. One problem is we don't know how long it will take for U.S. EPA or other scientists to make that determination and that's why as we said in -- in that answer there is speculation, but there is no solid
scientific information that there would be a fluctuation of that nature.

So getting additional -- you
know, doubling the timeframe that we're looking at here could well have no value whatsoever in terms of, you know, seasonal if there is no or if there is very insignificant seasonal variation. Just because it's not in the rule doesn't mean the Agency won't do it at some later date if there is a scientific need to do so or U.S. EPA determines that there is a need to do so.

HEARING OFFICER KAMINSKI: Mr. Rao?
MR. RAO: No, that's good.
HEARING OFFICER KAMINSKI: Okay.
Thank you.
MR. RAO: Thanks.
HEARING OFFICER KAMINSKI: The other question is more of a statement. The Board thanks the Agency for providing sufficient information/clarification in response to question 6 and there is no need for additional information related to that.

For the record, I believe that comes to the end of the Board's questions.

Mr. Rao, do you have any
follow-up questions, in general?
MR. RAO: No, I don't, Mark.
Thanks.
HEARING OFFICER KAMINSKI: Thank
you. Does anyone else have any further questions for the Agency's witnesses? I'm sorry. Remember, you either unmute on your computer or Star 6 on your phones to ask those questions.

Hearing none, is there anyone present who would like to offer a public comment on the Agency's proposal that has not yet done so? Again, remember to unmute either on your computer by clicking the button or by Star 6 on your keypad from your phone. Thank you. At this point can we go off the record for a moment?
(Whereupon, a discussion was had off the record.)

HEARING OFFICER KAMINSKI: We went off the record to discuss procedural issues and need not address any of that right now. The copies of the transcript for today's hearing are expected to be available no later than Thursday, July 2nd, 2020. Promptly after the Board receives

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the transcript, it will be posted on COOL from which it can be viewed and printed.

Are there any other matters that
need to be addressed at this time by the parties?
MS. PALUMBO: Nothing from the
Agency, Mark.
HEARING OFFICER KAMINSKI: Thank
you. Seeing none and hearing none, I would like to thank everyone for participating today. This first hearing is adjourned.

MS. PALUMBO: Thank you.
HEARING OFFICER KAMINSKI: Thank
you.
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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

I, Steven Brickey, Certified Shorthand Reporter, do hereby certify that I reported in shorthand the proceedings had at the trial aforesaid, and that the foregoing is a true, complete and correct transcript of the proceedings of said trial as appears from my stenographic notes so taken and transcribed under my personal direction.

Witness my official signature in and for Cook County, Illinois, on this $\qquad$ day of
$\qquad$ , A.D., 2020.

STEVEN BRICKEY, CSR, RMR 8 West Monroe Street Suite 2007 Chicago, Illinois 60603 Phone: (312) 419-9292
CSR No. 084-004675

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