

ORIGINAL

BEFORE THE

ILLINOIS POLLUTION CONTROL BOARD

ALTON PACKAGING CORPORATION,)

Petitioner,)

vs.) PCB 85-11200-1000-0400

ILLINOIS ENVIRONMENTAL)
PROTECTION AGENCY,)

Respondent.)



The following is a transcript of a hearing held in the above-entitled matter at the Alton City Hall, Council Chambers, 1st floor, 101 East Third Street, Alton, Illinois, on Monday, January 6, 1986, commencing at the hour of 9:30 o'clock a. m.

BEFORE:

Richard J. Doyle, Hearing Officer

APPEARANCES:

Messrs. Martin, Craig, Chester & Sonnenschein, by Richard J. Kissel, Esq., 115 South LaSalle Street, Chicago, Illinois 60603 appeared for the Petitioner;

1 William D. Ingersoll, Esq.,
2 Attorney, Environmental Protection
3 Agency, Enforcement Program,
4 Division of Air Pollution Control,
5 2200 Churchill Road, Springfield,
6 Illinois 62706, appeared on behalf
7 of the Respondent.

8 ALSO PRESENT:

9 John Shrock, Environmental Protection
10 Specialist with Illinois Environmental
11 Protection Agency, Air Resource Analysis
12 Section, Division of Air Pollution Control,
13 2200 Churchill Road, Springfield, Illinois
14 62706.

15 David J. Koize, P. E. Manager, Ambient
16 Air Monitoring Section with the Illinois
17 Environmental Protection Agency, Division
18 of Air Pollution Control, 2200 Churchill
19 Road, Springfield, Illinois 62706.

20 Patrick D. Dennis, P. E., Senior Analysis
21 Engineer with the Environmental Protection
22 Agency, Permit Section, Division of Air
23 Pollution Control, 2200 Churchill Road,
24 Springfield, Illinois 62706.

1 ALSO REFER:

2 Walter H. Frank, P. E., Illinois
3 Environmental Protection Agency, Regional
4 Supervisor, Field Operations Section,
5 Division of Air Pollution Control,
6 2009 Main Street, Collinsville, Illinois
7 62234.

8 Jeff Benbanek, District Engineer with
9 Illinois Environmental Protection Agency,
10 Field Operations Section, Division of
11 Air Pollution Control, 2009 Main Street,
12 Collinsville, Illinois 62234.

13 Edward M. Pyatt, Director of Environmental
14 Protection, Alton Packaging Corporation,
15 a wholly owned subsidiary of Jefferson
16 Smurfit Corporation, #10 Cut Street,
17 P. O. Box 276, Alton, Illinois 62002.

18 Patrick E. Lynch with Lynch Engineering,
19 Inc., 10 Lockout Lane, Springfield,
20 Illinois 62704.

21 John P. Bradley, Vice-President Environmental
22 Group, Murray & Trattel, Inc., Certified
23 Consulting Meteorologists.

I N D E X

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Petitioner's Exhibit No. 1 marked for identification
on Page 45. On Page 96 not asked to be admitted, but
Hearing Officer asked that it be copied so it is part
of the transcript.

1 Hearing Officer. Today, if everybody is
2 ready we will proceed to call this matter to hearing.

3 This is a hearing before the Illinois
4 Pollution Control Board, case of Alton Packaging Corporation,
5 Petitioner, vs. the Illinois Environmental Protection
6 Agency, PCB 85-145.

7 This will be a hearing on the Petitioner's appeal
8 filed by Alton Packaging Corporation against the Illinois
9 Environmental Protection Agency.

10 This hearing will take evidence on the
11 issue of whether the Environmental Protection Agency
12 properly denied the application for an Operating Permit
13 requesting a variance filed by Alton Packaging Corporation.

14 This is, for the record, Monday, January
15 6, 1986. It is 9:43 a.m. as we commence this hearing
16 at the City Hall, Council Chambers, in Alton, Illinois.

17 My name is Richard J. Doyle. I am an
18 attorney from East Central Illinois area, and I am serving
19 as Hearing Officer here today.

20 What I would like to do is have the parties
21 introduce themselves beginning with the attorney for
22 Alton Packaging Corporation.

23 If you would, Mr. Kissel, as you introduce
24
25

1 yourself, would you also introduce any other parties you
2 have with you today?

3 MR. KISSEL: Certainly. My name is
4 Richard J. Kissel with the firm of Martin, Craig, Chester
5 & Spannenschein, representing Alton Packaging Corporation.

6 With me is John P. Bradley with the firm
7 of Murray & Trettel, Inc. He is a consulting meteorologist
8 and modeler for us. Also present is Patrick E. Lynch of
9 Lynch Engineering, Inc., Springfield, Illinois.

10 To his right is Edward M. Pyatt, with
11 Alton Packaging Corporation. I am not sure of his title.

12 MR. PYATT: Environmental Director.

13 MR. KISSEL: Environmental Director of
14 Alton Packaging Corporation.

15 **HASTY** HEARING OFFICER: Thank you. Then, if
16 you would, Mr. Ingersoll, do the same for the Illinois
17 Environmental Protection Agency.

18 MR. INGERSOLL: I am William D. Ingersoll.
19 I am an attorney with the Illinois Environmental protection
20 Agency, Enforcement Programs, Division of Air Pollution
21 Control.

22 With me is Patrick D. Dennis, Senior
23 Analysis Engineer with the Environmental Protection Agency.
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1 Permit Section, Division of Air Pollution Control.

2 Also here is David J. Kolar, Manager of
3 Ambient Air Monitoring Section with the Illinois Environ-
4 mental Protection Agency, Division of Air Pollution Control,
5 and John Shrock, Environmental Protection Specialist with
6 the Illinois Environmental Protection Agency, Air Resource
7 Analysis Section, Division of Air Pollution Control.

8 Visiting with us is Walter Franke and
9 Jeff Benbenak of the Agency's Collinsville Regional Office.

10 HEARING OFFICER: All right. Okay, I
11 take it by introduction that we have had, that there is
12 no one else present, and, for the record, I would
13 indicate that this is an open hearing but there is not
14 any other interested parties present at this time.

15 If there are any that come in, gentlemen,
16 I will take the opportunity to further explain what this
17 hearing is about and give any interested or proper
18 member of the public an opportunity to participate in
19 this hearing.

20 While there are rules of evidence that
21 have to be observed, this will be basically an informal
22 procedure.

23 We will try and keep it as informal as
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1 possible so everyone conducts themselves properly, so
2 that we can get in as much evidence for the Board to make
3 its decision on as possible.

4 As you may know I am sure, but for any
5 other members of the audience, my job is not to determine
6 the merits of this issue, but to make sure that all relevant
7 evidence is presented and a record is made for the
8 Pollution Control Board to read in making a decision.

9 With that, if there are no questions,
10 I will ask if either of the parties, beginning with Mr.
11 Kissel, have any opening statements.

12 MR. KISSEL: Yes, we have a very brief
13 opening statement. As you properly characterized it,
14 at least in part, this is an appeal by the Alton Packaging
15 Corporation of a permit which was denied on August 27,
16 1985.

17 The permit was originally applied for
18 on January 25, 1983, and it was for the operation of two
19 boilers at the Alton Packaging Plant in Alton, Illinois,
20 boilers 6 and 7.

21 The record of the Illinois Environmental
22 Protection Agency contains the various applications and
23 documentation within the Agency's files concerning that
24

1 Permit application and its ultimate denial.

2 The Permit was denied on two grounds,
3 first that Boilers 6 and 7 were supposed to meet an
4 emission standard of 1.8 pounds per million of BTU of
5 sulfur dioxide.

6 It is Alton Packaging's position that the
7 1.8 pounds per million BTU standard is not applicable to
8 Boilers 6 and 7 as of this date because of other proceed-
9 ings that are pending which stayed the application of
10 that rule.

11 The second basis for denial of the Permit
12 by the Agency was an alleged excursion of the twenty-four
13 hour SO₂ standards, during 1984, and alleged excursion
14 of the SO₂ twenty-four hour standard on the basis that
15 Boilers 6 and 7 as the Agency characterized it appeared
16 to be the major contributor to this violation.

17 It is Alton Packaging's position that
18 whether Alton Packaging was a contributor or not a
19 contributor is not the basis on which the Agency can deny
20 a Permit, but they must have in the record that this will
21 occur in the future, and the record does not contain that.

22 Indeed, the modeling done by the Agency
23 subsequent to that alleged excursion will demonstrate
24

1 that it was not a predictive model; and, therefore, cannot
2 be used as the basis for denial of the permit.

3 We therefore request that the Pollution
4 Control Board reverse the decision of the Agency denying
5 the Permit and remand it to the Agency with instructions
6 to issue the Permit.

7 HEARING OFFICER: Thank you. Do you have
8 any opening remarks, Mr. Ingersoll?

9 MR. INGERSOLL: Yes. It is the Agency's
10 contention that it is reason number 1 basically that
11 the operation of Alton Packaging's Boilers Numbers 6 and
12 7 are at a level of greater than 1.8 pounds of SO₂ per
13 million BTU's of heat input.

14 The applicability of that Standard is
15 not stayed at this time for Alton Packaging.

16 Alton Packaging did have an automatic stay
17 of that provision pursuant to a timely filed Variance
18 petition. However, that Variance matter has been dismissed
19 by the Pollution Control Board and stay denied.

20 The second reason that the Agency gave
21 for denying the Permit is that Alton Packaging's operation
22 of its Boilers Numbers 6 and 7 caused an exceedance of
23 the National Ambient Air Quality Standards for sulfur
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1 dioxide in the Alton area during November 1974, and
2 while the model that was done was not intended to be
3 predictive, that it did provide adequate evidence that
4 future operation of these boilers could very well indeed
5 cause future exceedances.

6 That's all.

7 HEARING OFFICER: All right. Let us ask
8 a couple of questions of each of you gentlemen to see
9 if we can establish the issues here a little more clearly.

10 As to your last point, Mr. Ingersoll, when
11 you indicate that the model was not intended to be
12 predictive, but that it indicated these boilers could
13 very well cause exceedance in the future, why do you feel,
14 what is your position with regard to what the burden of
15 the EPA is in that regard, if any?

16 In other words, do you feel you have to
17 show there is a predictive model or that this particular
18 test is, in fact, -- does, in fact, show there will be
19 an exceedance by Alton Packaging?

20 MR. INGERSOLL: No, I don't feel we do.
21 I feel that model provided adequate basis for expert
22 opinions to be drawn by Agency staffers, and those
23 opinions resulted in "Reason Number 2" for the Permit denial.
24

1 HEARING OFFICER: So your position is that
 2 any model, regardless of what it may have been intended
 3 for, if it can result and does result in experts of the
 4 Illinois Environmental Protection Agency making the
 5 determination that it is possible that these boilers would
 6 exceed limits in the future, that that is a sufficient
 7 basis for --

8 MR. INGERSOLL: I just feel that if it is
 9 reasonable for Agency experts to draw the conclusions
 10 that were drawn then -- let us back up on this.

11 I think that our Agency people have reviewed
 12 the analysis and they have reasonably relied on that based
 13 on the information of that analysis to conclude that there
 14 may very well be exceedances in the future.

15 I think that their reliance upon that
 16 analysis was reasonable.

17 I would have to point out that with that
 18 argument in mind, that the burden does, indeed, rest on
 19 Union Packaging Corporation to show that the Agency's
 20 permit denial was unreasonable.

21 HEARING OFFICER: All right. That was
 22 the point I was really trying to delineate. Once you make
 23 a prima facie showing in that regard, your position is the
 24

1 burden is on them to prove it was not an unreasonable
2 determination by your experts?

3 MR. INGERSOLL: I think the initial burden
4 is on them to cast some doubt upon the reasonableness of
5 those conclusions.

6 HONORABLE JUDGE: Then as to the question
7 of whether the Standard should be applicable because
8 of whether this is or is not a pending matter, I take it,
9 Mr. Kissel, from your pleadings that your position is
10 that the Standard is not applicable because even though
11 the proceedings, the prior proceedings that you alluded
12 to and that Mr. Ingersoll alluded to were dismissed and
13 a stay denied, that because every avenue of appeal is not
14 exhausted, that they are still pending, is that your
15 position?

16 MR. KISSEL: Yes, in essence, yes.
17 There were two proceedings before the pollution control
18 Board which the Board dismissed we believe wrongfully.

19 We have filed our petition for review in
20 that matter and it is now pending in the Fifth District
21 Appellate Court.

22 Also as part of that case we have filed
23 with the Fifth District a Motion asking that the court

1 one, recognize that the automatic stay provision is still
 2 in effect, because it is our position that stay, that
 3 the automatic stay provision remains in effect until all
 4 avenues of review are exhausted, or secondly, if they
 5 are in the position that such automatic stay does not remain
 6 in effect as a matter of law, then the court grant our
 7 Motion for staying the applicability of the 1.8 pounds
 8 per million BTU SO₂ ruling pending the appeal before that
 9 court.

10 As of the other day, we received a
 11 response from the Agency which was filed with the court,
 12 and the court has not ruled on that Motion as of yet, so
 13 it is our position that the Agency improperly relied on
 14 the 1.8 pounds rule as we'll call it because of the fact
 15 that the rule is not applicable to the emissions from
 16 Boilers 6 and 7 at the Alton Packaging facility.

17 HEARING OFFICER: I take it then, Mr.
 18 Ingersoll, that the position of the Illinois Environmental
 19 Protection Agency is that that does not keep those matters
 20 pending for the purpose of making the rule inapplicable,
 21 because once the Board has dismissed and stayed a denial,
 22 that that is the end of it even though it is on appeal?

23 MR. INGERSOLL: I am not saying that.
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HEARING OFFICER: All right.

MR. INGERSOLL: I am just saying at this time no Motion for Stay has been granted before the Appellate Court.

HEARING OFFICER: All right. Okay. Fine. I didn't mean to put anybody on the spot, but I thought we should try and get the record as clear as possible, or at least in my mind as clear as possible, as to where some of the issues will fall, or at least fall here to me.

Mr. Kissel, I will let you proceed with your case.

MR. KISSEL: Yes. I would like to make sure we have as a part of this record of this proceeding today the complete Agency record which was filed with the Pollution Control Board on October 16, 1985, consisting of 28 defined exhibits that was filed with the Pollution Control Board and attested to or submitted by Mr. Ingersoll as an employee of the Environmental Protection Agency.

HEARING OFFICER: Do you have any objection to that, Mr. Ingersoll?

MR. INGERSOLL: No. I would feel that the Agency records were already part of the record in that

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proceedings.

HEARING OFFICER: Yes, I tend to agree, but I will specifically order the clerk to include a complete agency record as part of this record, that being the record as described that was filed October 16, 1985, with the Pollution Control Board. It will be a part of this record.

MR. KISSEL: I have previously served on Mr. Ingersoll, and pursuant to his agreement, a notice requesting two persons from the Illinois Environmental Protection Agency to be presented to give testimony in our case.

Those two people are John Shrock and David Kolaz. I would like to call Mr. Shrock.

HEARING OFFICER: Mr. Shrock, would you raise your right hand, please and be sworn?

(Whereupon the court reporter swore in Mr. Shrock.)

1 JOHN SHROCK

2 called as a witness on behalf of the Petitioner, being
3 first duly sworn, was examined and testified as follows:

4 DIRECT EXAMINATION

5 QUESTIONS BY MR. KISSEL:

6 Q Would you identify yourself?

7 A My name is John Shrock.

8 Q By whom are you employed?

9 A The Illinois Environmental Protection
10 Agency.

11 Q What position do you hold with them?

12 A I am an Environmental Protection
13 Specialist. I perform air quality modeling, reviews,
14 that sort of thing.

15 Q How long have you been so employed?

16 A Approximately ten years.

17 Q And what are the day to day kind of
18 things that you do for the Illinois Environmental
19 Protection Agency?

20 A Oh, I do air quality modeling studies
21 for the purpose of developing regulations, and state
22 implementations plan showings.

23 I also perform reviews of air quality
24

1 showings that are done by consultants for the purpose of
2 Permits.

3 Q Do you anybody work for you? Do you
4 have anybody reporting to you?

5 A No, I do not.

6 Q I would like to show you what has been
7 marked as Exhibit 5 in the Agency record (indicating).

8 A Yes.

9 Q And ask you to identify that.

10 A Yes. This is a study which I performed
11 and completed in May of 1985.

12 Q And what is that study of?

13 A Essentially it is a study of the
14 excursions which occurred at the Barton School monitor
15 on November 6th and 7th, and November 25th and 26th of
16 1984. These were SO₂ excursions.

17 Q Do you know what excursions they were,
18 what Standard was involved?

19 A The primary Standard for sulfur dioxide.

20 Q Which Standard?

21 A The Ambient Air Quality Standard.

22 Q 1 hour, 24 hour?

23 A 24 hour standard, it was.
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Q All right. Did you perform any other than one study concerning these excursions?

A Well, this report constitutes a single study.

Q And that is the only report, or is that the only report concerning your conclusions on your study with regard to the excursion in November of 1964?

A Yes.

Q What was the purpose of that study?

A The purpose was to try to determine the cause of the excursions.

Q Was it the purpose of the report to do any predicting as to at what levels of emission the boilers at Alton would operate that would cause or would interfere with the attainment or maintenance of Air Quality Standards, Ambient Air Quality Standards?

A No.

MR. KISSEL: That's all I have.

MR. INGERSOLL: I will reserve further questions for my case in chief.

HEARING OFFICER: All right. I have no questions at this time.

MR. KISSEL: Thank you. The second person

1 is Mr. David Kolaz.

2 HEARING OFFICER: Mr. Kolaz, come up and
3 be sworn.

4 (Whereupon the court reporter swore in
5 Mr. Kolaz.)

6
7 DAVID J. KOLAZ,

8 called as a witness on behalf of the petitioner, being
9 first duly sworn, was examined and testified as follows:

10 DIRECT EXAMINATION

11 QUESTIONS BY MR. KISSEL:

12 Q Would you identify yourself for the
13 record, please?

14 A My name is David Kolaz.

15 Q By whom are you employed, Mr. Kolaz?

16 A I am employed by the Illinois Environmental
17 Protection Agency.

18 Q What is your position with the Agency?

19 A I am Manager of the Ambient Air Quality
20 Monitoring Section.

21 Q And what are your duties as Manager
22 of the Ambient Air Quality Monitoring Section?

23 A My duties include budgeting, salaries, etc.
24

resources to individual monitoring projects, general overview of the monitoring and planning of the air monitoring network, review of the procedures and assurance program. We have to ensure that the air quality data is valid.

Q Are you familiar with alleged excursions that occurred in Alton in November of 1984?

A I am familiar with several aspects of those excursions, yes.

Q I show you what has been marked as Exhibit 6 and is a part of the Agency record in this matter (indicating).

Q Would you tell me what that is?

A Yes. I would like a couple of minutes to look at it, to review this.

Q Certainly.

A The entire Exhibit 6 includes several documents of which the first portion is what I am familiar with.

Q All right. What are you familiar with? Just identify it for the record.

A The first portion of this exhibit is the Air Quality Bulletin put out by the Ambient Air

1 Monitoring Section which involved a review of the
2 excursions of the 24 hours sulfur dioxide standard which
3 occurred in Alton in November of 1984.

4 Q The Air Quality Bulletin, how many
5 pages does that involve?

6 A That involves the first six pages of
7 Exhibit 6.

8 Q Thank you. What is an Air Quality
9 Bulletin?

10 A It is a report which involves our
11 analysis of an important environmental situation. We
12 call it a bulletin because we make every effort to put
13 it out in a timely fashion immediately after the occurrence
14 and it includes what I will call a quick analysis of
15 the situation. It may not include every technical aspect
16 that would be useful to include in an analysis.

17 Again, the purpose being to get it out
18 as quickly as possible to the people who would be interested
19 in such a situation.

20 Q What did that Air Quality Bulletin
21 tell everybody about the Alton area?

22 A What it told the people who read the
23 report was that the wind direction during these exceedances
24

1 were consistent and that they came from a very definable
2 wind direction.

3 Q Well, what were the alleged excursions
4 in the Alton area? What were they and when did they occur?

5 A The first excursion began on November 6th
6 and continued for 24 hours through November 7th. It
7 began at 1900 hours or 7:00 o'clock in the evening on
8 November 6th and continued through seven o'clock on
9 November 7th, and the value the the first exceedance I
10 believe was .148 parts per million. Let me take just a
11 moment to verify that. Yes, that is correct, .148.

12 The second excursion began on November 25th
13 at ten o'clock according to this, at ten o'clock in the
14 morning. Let me verify that. Yes. That is ten o'clock
15 Central Standard time. That would be local time last
16 November, and that continued through eight o'clock in the
17 evening on November 26th.

18 That included more than 24 hours. The
19 highest 24 hour period in that time was .139 parts per
20 million sulfur dioxide.

21 Q What is the ambient air quality standard
22 for 24 hour SO₂?

23 A The Standard as presented in the Federal
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Register is 25 parts per million.

Q The standard is measured in parts per million?

A That's right. That is correct.

Q It is not measured in micrograms per cubic meter?

A Right. The measurements are made in terms of parts per million.

Q So that if I was to want to know whether there was an excursion of an Ambient Air Quality Standard, I would look to the parts per million reading rather than micrograms per cubic meter?

A That is the way we do it. That is the way most people do it. In the Federal Register there is in parentheses the reference to micrograms per cubic meter.

Q But you, from your background and experience, parts per million is the way you would make the determination?

A That is correct.

Q Okay. Did you tell me what that was, 25 parts per million?

A That is correct.

Q An excursion, 24 hour alleged excursion

1 on November 6th and 7th was .143 parts per million?

2 A That is correct.

3 Q And the one on November 15th through
4 the 26th was .159 parts per million?

5 A That is correct.

6 Q You performed some kind of test to get
7 to this parts per million number, do you not?

8 A I am not sure I understand the question.

9 Q Well, there is a test that is used to
10 determine what the parts per million of sulfur dioxide is
11 in the sampled or monitored material, correct?

12 A Correct.

13 Q Can you briefly describe that test
14 without going into great detail?

15 A There are several different approved
16 methods for measuring sulfur dioxide. The method that
17 we used is called pulsed fluorescent.

18 In that method sulfur dioxide, I should
19 say ambient air is pulled into the instrument and a light
20 is pulsed or causing certain specific wave length of light
21 to impact the molecules of air that are pulled into the
22 sampler.

23 The sulfur dioxide absorbs that light energy.
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When the light is then pulsed off, it emits that energy as it degrades down to its original ground state. When that energy is emitted, it is detected by a photo multiplier tube which relates that energy that is released to a specific concentration of sulfur dioxide.

Q That test was performed on these two samples?

A That is correct.

Q All right. Does that test have a range of accuracy?

A Yes.

Q What is it?

Q Well, it depends upon a number of factors. There is not an absolute accuracy that applies to every situation.

Q Take the test on November 6th and 7th, what was the range of accuracy of that test?

A I'm not sure that the question is clear enough that I could answer it.

Q What is a range of accuracy?

A What is a range of accuracy?

Q Yes.

1 A Well, it would be a specific range of
2 values that a person has defined as containing the true
3 measurement that a person is interested in.

4 For example I could say what is the accuracy
5 of a -- back up a minute. Say we had a scale here and
6 we were weighing each person in this room. I could say
7 that I want to know with 50% confidence that I have
8 truly measured the weight of a given person.

9 Their weight might be, according to the
10 scale, one hundred fifty pounds. If I want to be 50% sure
11 that I have their true range, the accuracy might be plus
12 or minus five pounds, so I could be 50% sure.

13 If I wanted to be 95% sure that I was
14 aware of the range of weights that that person might
15 actually weigh, that value might be plus or minus ten
16 pounds.

17 Q Let me ask you this question then. In
18 your business of doing sampling and monitoring and testing
19 of the results, what is the range of accuracy that is
20 acceptable to the United States Environmental Protection
21 Agency?

22 A It is difficult to answer that question.
23 If I can, I would like to explain why. The United States
24

1 Environmental Protection Agency does not actually have
2 an accuracy figure which defines the validity of the
3 data for usage which we put it to. They have an accuracy
4 figure which is a guideline that they would like all
5 the Quality Assurance Programs to strive for.

6 Q What is that?

7 A Plus or minus 20% for accuracy.

8 Q Do you have a range of accuracy or
9 margin of error that you apply to your monitoring results?

10 A We have an accuracy figure which we
11 use for planning purposes. I am using accuracy right
12 now in a loose sense. We allow the instruments to drift
13 approximately 10% before we recalibrate them.

14 That, in a sense, is an accuracy figure,
15 but in the pure sense is not comparable to that plus or
16 minus 20% figure.

17 Q Do you recall your deposition being
18 taken in this matter Mr. Kolat?

19 A Yes.

20 Q You were asked these questions and gave
21 these answers.

22 HEARING OFFICER: Give us the date and
23 time of the deposition.
24

1 MR. KISSEL: Yes, the deposition was
2 taken on November 26, 1983, at 11:00 a.m. at the offices
3 of the Illinois Environmental Protection Agency, correct?

4 A That is correct.

5 HEARING OFFICER: The witness was under
6 oath then?

7 MR. KISSEL: Were you under oath?

8 A Yes.

9 Q All right, the question, "Do you have
10 a range of accuracy or margin of error that you apply to
your monitoring results?"

12 "Answer: Yes. We have an
13 accuracy for that."

14 "Question: What is your range
15 of accuracy for that?"

16 "Answer: U. S. E. P. A.
17 guidelines, what they consider to be acceptable is plus
18 or minus 15% at the 95% probability limit. Ninety-five
19 percent of the time it would be within 15%."

20 Is that a correct statement?

21 A That is the statement that I gave, and
22 subsequent to that as I reviewed the guideline document, -
23 I was attempting to recall from memory during the deposition,
24

1 - the figure for accuracy is plus or minus 20%. The
2 figure for precision is plus or minus 15%.

3 Q If you were to give your deposition again
4 and be asked that question, you would say 20% at the 95%
5 probability?

6 A For accuracy, yes.

7 Q For accuracy, all right. If you have
8 a test which shows .148 parts per million, at the 95%
9 confidence level or probability, what would be the range
10 then at the 20% number?

11 A Are you interested in this specific
12 situation?

13 Q Yes, sir.

14 A Okay, if I could refer to some notes
15 that I have, that would refresh my memory. If not, I
16 can answer that question.

17 Q Answer the question.

18 A Keep in mind the figures I am quoting
19 are slightly in error because I don't have my notes,
20

21 HEARING OFFICER: May I interrupt here?
22 If at any time you cannot answer the question without
23 refreshing your recollection, let's make this clear on the
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1 record and make it clear to counsel, all right, rather
2 than any inaccuracy because you can't have them?

3 A All right. I think I can pretty well
4 recall them.

5 MR. KISSENER: Go ahead.

6 A I looked at the precision values that
7 we run each week at the monitor in Alton, and all our
8 sulfuric dioxide monitors in the State.

9 I looked at the quarter which just preceded
10 the quarter when the excursion occurred which would have
11 been the third quarter of 1984.

12 I looked at the fourth quarter of 1984.
13 I looked at the first quarter of 1985, and combined all
14 of that precision data.

15 That would end up with approximately
16 thirty-five different precision checks which I felt would
17 give a reasonably good measure of the air range of the
18 data for that entire time period.

19 I concluded from that data, at the 95%
20 probability limit, would range anywhere from minus 9% low,
21 underestimating the true concentration, to approximately
22 2% overestimating the concentration.

23 Q Applying that number, those numbers to
24

1 the .148 parts per million, what is the range then from
2 the 9% to the higher number?

3 A I have to get my calculator.

4 Q Do you multiply 9% times .148 and
5 subtract that number?

6 A Yes. No, no, excuse me. You've got
7 that turned around. What I am saying, the number .14
8 might be 5% high.

9 Q Okay.

10 A So we would multiply it by 5% and
11 subtract it. The .148 might be 9% low, so we would
12 multiply that by 9% and add it to .148.

13 During that three-quarter time period
14 there was, at that specific monitor, there was more of a
15 tendency to be underestimating.

16 MR. KISSEL: I move to strike his answer
17 as not being responsive to my question. I did not ask
18 anything about that particular monitor.

19 HEARING OFFICER: I will allow that Motion.
20 I strike that portion of testimony.

21 MR. KISSEL: That's all I have.

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CROSS EXAMINATION

QUESTIONS BY MR. INGERSOLL:

Q Mr. Kolaz, do United States Environmental Protection Agency guidelines provide for adjustment of the recorded values based on accuracy and precision checks?

A The United States Environmental Protection Agency guidelines specifically say that the contrary is true, that the measured data is not to be corrected for any measurements of precision or accuracy, either directly corrected or corrected in performing evaluations to determine attainment of a Standard.

MR. INGERSOLL: I have no further questions at this time.

HEARING OFFICER: I have a couple of questions here for clarification.

QUESTIONS BY THE HEARING OFFICER:

Q You have indicated the Standard is .14 parts per million. Do they carry that out or are you just are to assume that is .140?

A NO, they don't --

MR. KISSEL: I object to the question on the basis it calls for a legal conclusion on his part.

1 The Standard says .14.

2 MR. INGERSOLL: It will be our argument
3 that it means .14999999. That is our argument. I did
4 not ask him that question because I believe that is a
5 legal conclusion.

6 HEARING OFFICER: Let me rephrase the
7 question to you. The Standard as it is listed anywhere
8 you seen it published or as passed is just .14, is that
9 correct?

10 A That is correct.

11 Q And you have seen nothing or any
12 indication anywhere of any explanation of that Standard
13 other than the listing of it itself?

14 A I have seen explanations of the Standard
15 also.

16 Q Where have you seen that?

17 A United States Environmental Protection
18 Agency guideline documents.

19 Q And what do they say?

20 A They say that for entertaining compliance
21 with the Standard, the earliest level at which a Standard
22 could be exceeded would be .145 parts per million, and that
23 that is because that would be rounded up to .150.

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In other words the standard itself is written as .14 parts per million implies two significant digits of accuracy.

Q Can you clarify again, please, how you arrived at the conclusion that the reading of .140 in this particular instance might be 5% high and might be 9% low? How did you arrive at those conclusions?

A Each week at our monitoring sites we introduce a standard value of sulfur dioxide which is incorporated into a device which allows us to generate a concentration with very high accuracy.

We then determine the instrument's response to that known input value, and the results are called our precision check.

During the three-quarter period I earlier described, I had thirty-five such checks to evaluate. Using a statistical formula which the United States Environmental Protection Agency has in the Code of Regulations under 40 CFR, Part 58, Appendix A, I calculated the 95% confidence limits.

Thereby I determined that the results we reported could be anywhere from 9% low to 5% high.

HEARING OFFICER: Thank you. That's all

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I have.

HEARING OFFICER: Any further questions?

MR. KISSEL: None.

HEARING OFFICER: You may step down.

MR. KISSEL: That's all I have. I conclude our principal case.

HEARING OFFICER: Mr. Ingersoll, do you have any witnesses you want to present?

MR. INGERSOLL: Yes. Could we have a recess first?

HEARING OFFICER: Sure. What do you want, five minutes or ten minutes?

MR. INGERSOLL: Fifteen minutes.

HEARING OFFICER: Fifteen minutes. We will take a recess until 10:49. Thank you. We are adjourned temporarily.

(Whereupon a recess was had.)

HEARING OFFICER: Well, I think we can begin again. It is ten minutes till eleven. I think, Mr. Ingersoll, you had the floor.

MR. INGERSOLL: I would like to call Mr. [Name] back to the stand.

DAVID J. KOLAZ,

called as a witness on behalf of the Respondent,
being previously duly sworn, was examined and testified
as follows:

DIRECT EXAMINATION

QUESTIONS BY MR. INGERSOLL:

Q Mr. Kolaz, could you give us a brief
description of your educational background after high
school?

A I have a Bachelor of Science Degree in
Aeronautical and Astronomical Engineering from the
University of Illinois, and a Master's Degree in Environmental
Engineering from Southern Illinois University at
Carbondale.

Q You stated previously you were employed
by the Illinois Environmental Protection Agency I believe
you stated. Restate your position.

A I am Manager of the Air Monitoring

Q Okay. How long have you been Manager
of that Section?

A I believe that it has been about eight
years.

1 Q And where were you employed before
2 that?

3 A I worked for the Environmental Protection
4 Agency before that time as a Data Analysis Unit Manager.
5 Prior to that time I worked in the Permit Section.

6 Q And what was that, Data --

7 A Data Analysis Unit, not Section, excuse
8 me, Manager.

9 Q What were your functions and duties in
10 that unit?

11 A In that unit the primary responsibility
12 was to acquire the ambient monitoring data from our
13 network in Illinois and edit and validate that data as
14 necessary, and analyze that data to determine trends,
15 and other factors that might be of interest to Agency
16 employees.

17 Q What are your functions and duties in
18 your present position?

19 A Well, one of my major functions is
20 budget preparation and resource allocation to make sure
21 we have adequate resources to do the job that we have to

22
23 I am also responsible for reviewing the
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1 extent and disposition of our ambient air monitoring
2 network to make sure it meets all our goals as well as
3 the goals of the United States Environmental Protection
4 Agency, and I also review the procedures that we use to
5 recover that data, and make sure that the Quality
6 Assurance program that we have in place is resulting in
7 valid data.

8 Q Have you reviewed the data, I mean
9 precision accuracy data as well as the reported data from
10 the Barton School monitor for SO₂ in Alton, Illinois?

11 A I reviewed that data specifically for
12 the period of time that included the excursions in
13 November of 1984.

14 Q The figures that you gave Mr. Kissel
15 earlier, I believe minus 9% to plus 5%, was that with
16 regards specifically to the Alton monitor?

17 A Yes, those figures that I earlier
18 reported were specifically for that site. I did not
19 include data from our other sulfur dioxide sites.

20 Q Has that monitor performed satisfactorily?

21 A Yes. I mean, there have been times
22 when we found it necessary to recalibrate the monitor
23 because after operating for a period of time any instrument
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1 begins to drift out of tolerance limits.

2 whenever that occurred, we have gone out in
3 a reasonable amount of time and recalibrated the monitor.

4 Q Was that monitor calibrated in November
5 of 1984?

6 A Yes it was.

7 Q Do you recall the date?

8 A Yes. It was November 27, 1984.

9 Q Describe the results of that calibration.

10 A Yes. At that time I should point out,
11 at that time we recalibrated the monitor not because it
12 had drifted outside of our specifications, but because
13 we had just measured two exceedances of the sulfur
14 dioxide standard.

15 We wanted to be absolutely certain that
16 the monitor was operating properly and there was not a
17 malfunction.

18 Our precision data, as I mentioned
19 earlier we run each week, indicated that the monitor
20 may be reporting data that is five to 6% lower than
21 we were actually reporting, so on November 27th we
22 performed a calibration.

23 What we do is we introduced a known
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1 amount of sulfur dioxide into the monitor. We performed
2 a reset calibration which means before we make any
3 adjustments to the monitor, we introduce five volumes of
4 sulfur dioxide and then evaluate its response to that.

5 After that is done we then adjust the
6 monitor to get it up to its optimum range. The reset
7 calibration found that the values over the range of
8 input points were anywhere from five to I believe 10% low.

9 Q This was on November 27th?

10 A November 27th, yes.

11 Q Meaning what?

12 A Well, meaning that the data that we
13 were reporting was slightly, a slight underestimate of
14 what was there, although again the 95% confidence limit
15 there is always a possibility that there would be an over-
16 prediction.

17 Q All right.

18 A If we take the reset calibration at
19 its face value, it confirmed the results of the weekly
20 precision check and again showed that the results were
21 underestimated.

22 Q To assist in the record, could you
23 explain the difference between accuracy and precision?
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A Okay.

Q This is just to help augment the record here.

A I will explain it. Since we have been talking about accuracy and precision as we use it in the Illinois Environmental Protection Agency, I will define it in that sense rather than the general sense that it is sometimes used.

The United States Environmental Protection Agency requires in the Code of Federal Regulations, Title 40, Part 58, Appendix A, that each Agency run a precision check once every two weeks.

What this involves is the introduction of a known value of sulfur dioxide into the monitor in order to determine how it responds to that known concentration, and the range of values that we must introduce is somewhere in the range of .07 to .1 parts per million.

What we have been introducing into our monitors is a value of approximately .09 parts per million. Rather than run it once every other week, we have been running the precision checks in all of our sites in the State each week. We have done this since about 1980.

The difference between the precision check

1 and the accuracy check is that the accuracy check is run
2 at three levels rather than just the one.

3 The requirements are we run the accuracy
4 check once per year at each site, and that we do an
5 accuracy check at 25% of our sites each quarter.

6 Q All right.

7 A Now, maybe I have not actually explained
8 what precision accuracy is. I only explained how we run
9 the checks.

10 The idea of the precision check is that
11 if we were to have monitors running side by side, the
12 monitors would not read exactly the same.

13 The amount of air you would have between
14 the two monitors would be measured by the precision check,
15 so if I say the precision is plus or minus 5% at the 95%
16 confidence limits, that means if I have two monitors
17 that are running side by side, I would expect 95% of the
18 time they would be reporting the same value.

19 That does not say anything about the accuracy
20 if the monitors are askew 10% low, they still may be
21 reporting the same value, but the value may be 10% low.

22 The accuracy check is supposed to be a
23 measure of how accurate the data is, that is, whether it is
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1 askewed high or low.

2 Now, the problem with those definitions
3 is that the precision check in reality, the way the United
4 States Environmental Protection Agency requires it to be
5 run, is a measure of accuracy, and in the past I have
6 compared precision values to our accuracy values, and also
7 to our calibration values, and that is why earlier when
8 I was explaining the precision calibrations I really used
9 it as an accuracy figure when I explained to the Hearing
10 Officer that the results we reported may be 9% low to
11 5% high. That is really an accuracy description.

12 Q Okay. Thank you.

13 MR. INGERSOLL: I have no further questions.

14
15 CROSS EXAMINATION

16 QUESTIONS BY MR. KISSEL:

17 Q Mr. Kolaz, precision checks were made
18 in the Barton School instruments were they not?

19 A That is correct.

20 Q Was a precision check made on the
21 instruments on November 1st?

22 A I would have to look at my notes to see
23 if that is the case.
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1 Q Where are your notes?

2 A (Indicating).

3 Q Would you get them, please?

4 A Yes.

5 HEARING OFFICER: Bring any other notes
6 you have with you that you may need.

7 MR. KISSEL: Can I see what you have?

8 A (Indicating).

9 MR. KISSEL: I suppose we ought to mark
10 this as an exhibit.

11 (Whereupon the reporter marked for
12 identification purposes Petitioner's Exhibit No. 1.)

13 MR. KISSEL: In order to know what the
14 precision checks were from October 24th through November
15 27th, you need some documentation to refresh your
16 recollection, is that correct?

17 A Yes. If you are going to ask me specific
18 questions about the results, yes.

19 Q I show you what has been marked as
20 Petitioner's Exhibit Number 1 for identification (indicating).
21 It is dated this date, PCB 85-145. Tell me what that is.

22 A It is a handwritten note made on a
23 scratch pad that lists precision results of the sulfur
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1 dioxide monitored in Alton from October 24, 1984, through
2 November 27, 1984.

3 Q And whose handwriting is that?

4 A This is Bob Swinford's.

5 Q Where was that taken from, do you know?

6 A This was taken from our formal records
7 of the precision checks.

8 Q Was that done under your supervision
9 and control, taking it from the records and putting it
10 down there.

11 A Yes. I verify the accuracy of those
12 numbers.

13 Q Those numbers are accurate as far as
14 you are concerned?

15 A That is correct.

16 Q Is that document necessary for you to
17 recall what those numbers are?

18 A Yes.

19 Q Okay. It shows 10/24 and next to that
20 it says -5.4. What does that mean?

21 A That means that the instrument's
22 response to our sulfur dioxide precision check was
23 5.5% lower than the value that was actually input into
24

1 the monitor.

2 Q So the Board completely understands
3 this, if the number that was reported was one hundred --
4 .1 parts per million say, what would the precision check
5 have shown it to be?

6 A It would be about, oh, ninety-four parts
7 per million.

8 Q So it would be lower?

9 A Right.

10 Q It would askew it to the lower side?

11 A I may have misunderstood your question,
12 excuse me. Could you repeat it?

13 Q Would you explain -- there are two
14 numbers involved here, right?

15 A Yes.

16 Q One is what the monitor shows and one
17 is what the precision check shows, is that correct?

18 A That is correct.

19 Q And if the monitor showed .1 parts
20 per million and the precision check showed minus 5.5%,
21 what would that mean?

22 A All right, that would mean the .1 parts
23 per million value reported from the monitor was 5.5% lower
24

1 than the value that was input, which would mean the value
2 that was input would be something like .106.

3 Q All right. The first excursion that
4 you testified to occurred on the 6th and the 7th of
5 November, 1984, is that correct?

6 A That is correct.

7 Q All right. Now, the last precision
8 check done before that time was when?

9 A According to Petitioner's Exhibit 1
10 it was on November 1st.

11 Q Okay. What do your notes show and what
12 do you recollect the precision check to show at that time?

13 A The precision check at that time showed
14 +5.5%.

15 Q So what was being shown at the Barton
16 School monitor according to the precision check on that
17 date were values higher or lower?

18 A Were values higher on November 1st than
19 what was being input into the monitor.

20 Q All right. That was the last precision
21 check done prior to the alleged excursion on November 6th
22 and November 7th, is that correct?

23 A That is correct.
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1 Q All right, so that would mean on that
2 date, if the reported value from the monitor was .1
3 according to this precision check, what would it really
4 have been?

5 A It would have been about .094.

6 Q So it would have been lower?

7 A Yes.

8 Q Allright.

9 MR. KISSEL: Thank you. That's all I
10 have.

11 - - -
12 REDIRECT EXAMINATION

13 QUESTIONS BY MR. INGERSOLL:

14 Q First of all is the figure for November
15 1st an anomaly within the range of precision checks made
16 between the November 27th calibration and the prior
17 calibration?

18 A It appeared to be an anomaly when I
19 first looked at the data. My reason for saying that,
20 by referring to Exhibit 1, we have six precision checks
21 which are shown. In all of the precision checks showing
22 a negative value, they range from negative 3.3% to
23 negative 6.6%.

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Q Could you give the dates and the figures for each of those?

A Yes. October 24th was negative 5.5%. The following check was plus 5.5%, followed by a negative 3.3%.

Q Give the dates.

A November 1st was +5.5%. November 8th was negative 3.3%. November 15th was negative 6.6%. November 21st was negative 6.6%. November 27th, the day of the recent calibration, it was negative 5.5%.

The positive 5.5% on November 1st does not fit with the overall pattern of the other precision checks.

Q To what do you attribute that?

A I reviewed the strip chart, from the chart for that date from the site, and noticed the base line of the instrument had drifted up just prior to the precision check which is a normal situation to have a slight drift in the base line.

However, it drifted up just prior to the precision check, and then shortly thereafter, after twelve hours, had drifted back down to what it had been before.

1 The problem with that is that all of our
2 data is recovered from this site by way of the telephone
3 lines through a computerized telemetry system.

4 In operating that telemetry system we
5 input a stable base line into the computer, so when the
6 base line drifts like this it can cause some anomalous
7 data to be reported.

8 The +5.5% that was reported was not
9 consistent with the base line information that we had
10 been using, and, therefore, because the base line had
11 drifted up on that particular day, and because we were
12 using a lower base line than we should have been on that
13 specific date, the +5.5% precision check result.

14 However, since this is a normal situation
15 to have a slight drift and we would consider this to
16 be a slight drift, 5% may sound like a lot but when you
17 report a one hundred, or .1 parts per million, it is not
18 much drift. It is only two to three parts per billion,
19 in order to include that precision check in our overall
20 calculations of the precision for that site.

21 Q Okay. Now, these precision checks and
22 this information that you have, would this cause you --
23 I am conditioning this on it is consistent with United
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1 States Environmental Protection Agency guidelines -- would
2 this data cause you to change or amend your reported
3 values?

4 A No it would not.

5 MR. INGERSOLL: Thank you. I have no
6 further questions.

7
8 RECROSS EXAMINATION

9 QUESTIONS BY MR. KISSEL:

10 Q The 5.5%, Mr. Kolaz, is a real number
11 that is included in the Agency's records for November 1st,
12 right?

13 A Yes.

14 Q That has not been changed, right?

15 A No, that has not been changed.

16 MR. KISSEL: Okay. Thank you.

17 MR. INGERSOLL: Thank you.

18
19 QUESTIONS BY THE HEARING OFFICER:

20 Q On the calibration you spoke of on
21 November 27th, that was an accuracy check, right?

22 A No, that was not a formal accuracy
23 check, no, meaning it was done the same way an accuracy
24

1 check would be done, but it was not considered to be an
2 accuracy check for purposes of the Federal Regulations.

3 Q Okay. You did everything you would have
4 done in any other accuracy check except you just did it
5 specially on this instance, is that what you are saying?

6 A Right. There are two other factors
7 that were different.

8 Q What were those factors?

9 A One is that during an accuracy check,
10 the person who performs the accuracy check is not the
11 same person as the one who normally maintains the site.

12 In this particular case it was the same
13 person though. Secondly we used a different calibrator
14 than was used to calibrate the monitor earlier.

15 The calibrator was never involved in the
16 process. I have not checked, but I am pretty sure that
17 this would not have been the case also.

18 The calibrator would have been certified
19 the same way the accuracy calibrator would have been
20 certified, but would not be unique.

21 Q In that instance you said you introduced
22 five values.

23 A Yes.

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Q That would be the same as you would do at an accuracy check?

A In an accuracy check we would introduce just three values.

Q All right. Insofar as the impeachment type of questioning done of your prior deposition, to clarify the record, you are saying now that the accurate information is that the United States Environmental Protection Agency recommends that you be plus or minus 20% for accuracy, is that right?

A That is correct.

Q And your explanation is simply you misspoke without having the information in front of you on the prior deposition, is that what you were explaining?

A That is correct.

Q In your earlier testimony you had indicated that the wind direction was consistent and very definable. I believe that was in your original testimony with regard to these tests and what you found.

A Yes.

Q What is the significance of that, if anything?

A Well, to me the significance was that

1 there was a specific source or group of sources that
 2 was contributing to the problem, the problem being the
 3 elevated sulfur dioxide values, and that normally when
 4 this occurs, it occurs with a very persistent wind
 5 direction and sometimes with very stable atmospheric
 6 conditions, and since at least the persistent wind
 7 direction was present, it led us to believe it was due to
 8 a specific operating condition at one or more facilities,
 9 sulfur dioxide emitters which were upwind of our monitor-
 10 ing site.

11 Q And do your other Agency records that
 12 are part of the record that was filed October 16th,
 13 which I don't have in front of me, do they contain an
 14 analysis of how you arrived at the conclusion that Alton
 15 Packaging Corporation was involved in this violation?

16 MR. INGERSOLL: I have to object. I
 17 don't believe Mr. Kolaz ever testified that Alton Packaging
 18 was a cause or contributor to the violation. His
 19 testimony was predominantly with the monitoring system.

20 HEARING OFFICER: All right. Let me
 21 just ask you, Mr. Ingersoll, is there testimony or is
 22 there information in the other record with regard to
 23 that aspect?

1 MR. INGERSOLL: I feel that there is.
2 I will put Mr. Shrock on. He is the person responsible
3 for the modeling analysis.

4 If you wish to delve into it, I'm sure he
5 can explain.

6 HEARING OFFICER: Well, I don't want to
7 tell you how to conduct your case, but this is not the
8 same type of hearing as one might have in a court of law,
9 and my understanding is that as the Hearing Officer I
10 do have an obligation to try and make sure that the best
11 evidence is brought forward in these matters, and that
12 the record is extremely clear and accurate, so as to
13 allow the Board to make a reasonable and proper decision.

14 I leave it to you as to whether you feel
15 there is sufficient evidence to show the connection to
16 Alton Packaging, but I do think that is an aspect which
17 is vital to this case.

18 MR. INGERSOLL: I too agree. It was my
19 intention to call Mr. Shrock next.

20 HEARING OFFICER: All right. I have no
21 further questions of this witness as far as clarification
22 is concerned.

23 MR. KISSEL: I have none.
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1 MR. INGERSOLL: None.

2 HEARING OFFICIAL: Okay, you may step down.

3 MR. INGERSOLL: I would like to recall
4 Mr. Shrock.

5
6 JOHN SHROCK,

7 called as a witness on behalf of the Respondent,
8 being previously duly sworn, was examined and testified
9 as follows:

10 DIRECT EXAMINATION

11 QUESTIONS BY MR. INGERSOLL:

12 Q Would you briefly outline your educational
13 background, Mr. Shrock?

14 A Yes. I have a Bachelor's Degree in
15 Physics and Psychology, and a Master of Science Degree,
16 both from Indiana University at Bloomington.

17 Q What is the Master's Degree in?

18 A Environmental Science.

19 Q Okay, thank you. When did you receive
20 that Master's Degree?

21 A In 1976.

22 Q And when did you start working for the
23 Illinois Environmental Protection Agency?
24
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1 A In the fall of 1976.

2 Q And what position did you take at that
3 time?

4 A I began working in the same unit within
5 the Air Pollution Control Division that I work for now.
6 We had undergone a name change, but essentially we do
7 dispersion modeling.

8 Q Could you describe what that entails?

9 A Yes. We run computer dispersion
10 models usually for the purpose of determining allowable
11 emission rates which are necessary for maintaining
12 National Ambient Air Quality Standards.

13 That is a partial description of what we
14 do. We also do special dispersion studies, as well as
15 studies which involve air quality monitoring, for the
16 purpose of determining proper emission rates and proper
17 ways to use different types of models.

18 Q And you have been involved in this air
19 modeling dispersion field since 1976?

20 A Yes.

21 Q And I believe, as you mentioned, before
22 you were responsible for preparing what is incorporated
23 into the record as Agency Exhibit 5 entitled Modeling
24

1 analysis of the SO₂ excursions which occurred November
2 6th through 7th, and the 25th through the 26th, of 1964,
3 in Alton, Illinois, is that correct?

4 A Yes.

5 Q What conclusion did you draw from your
6 analysis of the information that you had before you?

7 A Okay, what we were able to conclude
8 was that Alton Packaging contributed in a dominant way to
9 both of those excursions, and we did this by using state
10 of the art dispersion model, real meteorology, in other
11 words, wind direction and speeds, etc., which occurred
12 during both of those excursion periods.

13 Those were matched with actual emissions
14 data which was collected by our field personnel from
15 individual facilities which we thought might have been
16 able to contribute to those excursions.

17 The model that was used was industrial
18 source complex model. It was selected because with that
19 we could input variations and terrain, variations in
20 hourly emissions data, as well as variations in hourly
21 meteorological data.

22 Q In your professional opinion was Alton
23 Packaging a major contributor to the two exceedances
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1 excursions of the Ambient Air Quality Standard for
2 SO₂ in Alton in November 1984?

3 MR. KISSEL: I object to the question.
4 The record must speak for itself. This is a Permit
5 appeal hearing.

6 To the extent that the record says that
7 or does not say that, it speaks for itself, and it cannot
8 add to it at this time.

9 MR. INGERSOLL: I think what is being asked
10 here is for an expert opinion. I think that a proper
11 foundation has been laid for him to answer to a reasonable
12 degree of scientific certainty if he can do so.

13 MR. KISSEL: My objection goes to the
14 Board's position that a permit appeal is supposed to be
15 on the record before the Agency.

16 The testimony at this time has been to
17 clarify what has been said and what is in the record,
18 but if, and to the extent that this question asks for an
19 opinion beyond what is already in the record, it cannot
20 as a matter of Board law be introduced in this proceeding.

21 MR. INGERSOLL: I would contend that this
22 matter, this question merely clarifies or augments the
23 conclusions stated in the study that was done by Mr. Shrock
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and which is already part of the Agency record.

I want to make it clear to the Board these are his opinions. This was not a vague study done by the Illinois Environmental Agency as an entity. It was done by Mr. John Shrock an employee of that Agency.

HEARING OFFICER: He may answer.

A Please repeat the question.

MR. INGERSOLL: In your professional opinion, was Alton Packaging a major contributor to the two exceedances of the Ambient Air Quality Standard for SO 2 in Alton in November 1984?

MR. KISSEL: Same objection. Also it is a leading question to his own witness.

HEARING OFFICER: Go ahead and answer the question.

A The answer is yes. It is my opinion that Alton was the major contributor to both of those excursions in November of 1984, that is, Alton Packaging.

MR. INGERSOLL: Okay. I believe before that you discussed the predictive or non-predictive nature of the study that you did. Was it designed to be predictive?

A Air quality models, they -- it was designed to predict what happened, or try and simulate

1 what happened on those two days. It was not designed to
2 predict what allowable emission limits would be possible
3 limits for any facility in the area to protect the
4 National Ambient Air Quality Standards, but you could
5 draw some conclusions from the results of that study
6 about what might happen in the future based on what
7 occurred on those two days.

8 MR. KISSEL: I object to any testimony
9 on this witness' part as to the predictability or what
10 conclusion can be drawn. That is totally outside of
11 the record, and if the Agency's position at this hearing
12 is to allow that kind of testimony, they are changing the
13 law and changing the evidence that is to be allowed in
14 Permit proceedings before the Board.

15 HEARING OFFICER: Well, I don't have the
16 entire record in front of me. It was not supplied to me,
17 so I'm going to allow him to answer subject to that
18 objection, based upon the assumption that he is testifying
19 with regard to matters, the factual basis of which is
20 set forth in the records previously filed by the Agency.

21 MR. INGERSOLL: In your report did you
22 make any conclusions with regard to possibility of
23 future exceedances?
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1 A Yes, I did.

2 Q Could you describe those conclusions?

3 A I concluded that it may be possible
4 in the future that excursions at the Barton School
5 monitor may be possible in the future if Alton Packaging
6 Corporation is allowed to operate at the limits they were
7 operating during the previous two excursions.

8 I base that primarily on the fact that
9 the meteorology which occurred during those two days was
10 really not, in any way unusual, that you would expect
11 similar meteorology to occur in the future, and if Alton
12 Packaging Corporation operates at the same levels, you
13 could expect future excursions.

14 The one further point that I would like
15 to make is that other facilities in the area could have
16 been operating at higher rates, but were not operating
17 at their allowables during those excursions.

18 Q Would you expand on that?

19 A Well, Laclede Steel, they could have
20 been operating at higher emission rates and were not.
21 Illinois Power was only operating during one of the
22 excursions.

23 Q When were these conclusions made by you?
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1 A They were made during the study which
2 I concluded. They are a part of Exhibit 5.

3 MR. INGERSOLL: Okay. Thank you. No
4 further questions.

5 MR. KISSEL: I object to the whole line
6 of questioning. Since it is being allowed in the record,
7 I would like to proceed with some examination.

8
9 CROSS EXAMINATION

10 QUESTIONS BY MR. KISSEL:

11 Q Mr. Shrock, please define the exact
12 conditions under which you would anticipate, as a result
13 of your modeling study, that there would be excursions
14 of the National Ambient Air Quality Standards as a result
15 of emissions from Alton Packaging Corporation.

16 A Those conditions would include wind
17 speeds and directions which were similar on the days of
18 the excursions in November of 1984, and Alton Packaging
19 Corporation operating at the emission rates which were
20 similar to those on those two days.

21 Q What about velocity, stack gas velocity
22 is that significant?

23 A Yes. That is one of the input parameters.
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1 to the model.

2 Q You said you would anticipate excursions
3 of the National Ambient Air Quality Standards if Alton
4 Packaging Corporation's boilers operated during times of
5 identical wind speed and direction.

6 A Similar wind speed and direction.

7 Q Similar wind speed and direction, and
8 same emission rate?

9 A Similar.

10 Q When you say similar emission rate,
11 what do you mean?

12 A Probably an emission rate in excess
13 of five pounds per million BTU's.

14 Q Under five pounds per million BTU's
15 they would not cause an excursion?

16 A I cannot say that. I cannot nail down
17 an exact emission rate. The study was not really
18 designed to do that. That is a different type of air
19 quality study.

20 Q Similar wind speed and direction,
21 similar emission rates. What else?

22 A Well, of course similar stack parameters
23 which includes temperature and exit velocity.
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1 Q Anything else? What about meteorological
2 conditions?

3 A Well, that's what we talked about,
4 similar meteorological conditions.

5 Q I thought you said wind speed and
6 direction. You did not say meteorological.

7 A Those are inclusive of meteorological
8 conditions. They are probably the prime two parameters
9 that would be of concern.

10 Q So besides wind speed and direction,
11 emission rate and stack parameters. What other factors
12 would have to occur at the same time for you to say that
13 this would be predictive of an interference with attainment
14 and maintenance of Ambient Air Quality Standards?

15 A I am saying that those items would be
16 sufficient to draw the conclusion that in the future you
17 may experience excursions at the Barton School monitor.

18 Q All right. Based upon your study here,
19 which is what we are talking about, no other modeling
20 studies that you know of but this study, this is what you
21 are basing your opinion on, is that correct?

22 A Yes.

23 Q If you had a different wind speed and
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1 direction, and Alton Packaging was emitting 6.2 pounds
2 per million BTU's, could you predict an Ambient Air
3 Quality Standard violation?

4 A Well, of course if you have a different
5 direction -- what I am talking about is a specific point
6 at the Barton School monitor.

7 If there is a different direction, if the
8 plumb is transported in a direction different --

9 Q Are you not really saying it is your
10 opinion that if the identical conditions occurred here,
11 or higher conditions in terms of emissions, you would
12 presume there would be an exceedance of the Ambient
13 Air Quality Standards, is that not really what you are
14 saying?

15 A I am saying under similar conditions
16 you may expect exceedances of the Ambient Air Quality
17 Standards.

18 Q Did your modeling actually predict an
19 exceedance?

20 A Yes it did.

21 Q Where?

22 A At the Barton School.

23 Q No, show me where it says there will
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1 be an excursion in there in Exhibit 5, show me the
2 language where it says there will be an excursion (indicating).

3 A The modeling was accomplished for the
4 two excursion periods, and -- just a second and I'll
5 find the figures.

6 Okay, I'm sorry, I made a mistake. A
7 value greater than the 24 hour Standard was not predicted
8 by this study, but there were two excursions, and given
9 the data we had as input, which did not include background
10 SO₂ or SO₂ from small sources, we were able to get good
11 correlations with the monitor data, and we were able to
12 also show that Alton Packaging Corporation did contribute
13 to those violations.

14 Q So the Board understands, the study
15 on which you are now saying there may be some future
16 violations in and of itself did not predict that there
17 would be an exceedance of the National Ambient Air
18 Quality Standard at the Barton School, is that correct?

19 A I'm sorry you have to repeat that.

20 HEARING OFFICER: Read back the question.

21 (Whereupon the reporter read the last
22 question back.)

23 A That study was not able to explain
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1 all of the SO 2 concentration which was measured at the
2 Barton School monitor.

3 What it did do was show that Alton Packaging
4 Corporation was the predominant contributor on those
5 two days.

6 Q Mr. Shrook, I am not talking about a
7 predominant contributor. You are now going beyond that
8 and saying you are putting a predictive nature into this
9 modeling effort.

10 I am trying to ask you the question of,
11 the fact is that this effort in and of itself, Exhibit 5,
12 did not predict an excursion of the National Ambient Air
13 Quality Standard at the Barton school, is that correct?
14 It is yes or no.

15 A The results of the modeling did not
16 predict an excursion.

17 MR. KISSEL: That's all I have got.

18
19 REDIRECT EXAMINATION

20 QUESTIONS BY MR. INGERSOLL:

21 Q Based upon your education and experience
22 in this field, what do you think would have been the
23 impact at the Barton school monitor on those specific
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1 dates, if the other sources in the area of Alton Packaging
2 Corporation were operating at their permitted maximum
3 emission rates?

4 MR. KISSEL: I object. We are taking
5 this far beyond the Permit appeal. If the Agency wants
6 to do that, I suggest that before they do it they look
7 back at the history of their dealings in Permit appeals.

8 We are now asking the witness to speculate
9 beyond what he has done in a Permit record. We have
10 gone much much farther, and this will be, indeed, a
11 precedent setting case before the Board if this testimony
12 is allowed.

13 MR. INGERSOLL: I disagree in that Mr.
14 Shrock has been shown to be an expert in this field.
15 He has a great deal of experience.

16 You have attacked conclusions that he did
17 make in a study that is part of the Agency record, and
18 I am merely trying to strengthen the showing of Mr.
19 Shrock's basis for his conclusion.

20 MR. KISSEL: Mr. Ingersoll, Hearing Officer,
21 and Board, all I am suggesting to anyone who accepts
22 this evidence is that as far as I am concerned it
23 broadens, if it is accepted and allowed, it broadens the
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1 nature of a permit appeal, and would allow me to go into
2 examining this man in far greater detail than we have done
3 in this matter.

4 MR. INGERSOLL: I have merely questioned
5 him with regard to conclusions he did make that are reported
6 in the record.

7 MR. KISSEL: No, that was not your question.

8 HEARING OFFICER: Let me hear your question
9 again. Restate it, or does she have to go find it?

10 MR. INGERSOLL: I'll try. Based upon your
11 education and experience -- read the question back.

12 (Whereupon the court reporter read the
13 question back.)

14 HEARING OFFICER: I'm going to sustain the
15 objection to that question, I do think, in part, because
16 the answer would be speculative.

17 MR. INGERSOLL: I have no further questions
18 then.

19 MR. KISSEL: I have none.

20 HEARING OFFICER: Okay, let me ask you
21 a little further, so it is clear, on the record, as to the
22 basis of this testimony.

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1 QUESTIONS BY THE HEARING OFFICER:

2 Q You have testified in your opinion
3 that one can anticipate further exceedances because, -
4 and you tell me if anything I am saying is not accurate
5 here, - because the meteorology was not unusual those
6 days, and, therefore, you could anticipate it happening
7 again if Alton Packaging Corporation operates at the
8 same levels as they were at that time, is that your
9 testimony?

10 A Yes, Alton Packaging.

11 Q And when you say the meteorology was
12 not unusual those days, can you, in layman's terms, explain
13 what you mean by that statement?

14 A Just that the wind speed and the
15 direction, that is, the wind is coming from, were not
16 statistically unusual. You know, if you look through the
17 meteorological data which I have not done, and I don't
18 know with what frequency you could expect that persistent
19 conditions, but that could be done, there was nothing
20 to suggest that that was unusual conditions.

21 Q Meteorology, the phrase includes a lot
22 of things, is that right?

23 A Yes. It includes things like the
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1 turbulence of the air at the time, the temperature is a
2 fairly minor variable.

3 Q All right. That is one of the things
4 I was wondering. I may be trying to anticipate questions
5 that the Board would have which maybe they would know
6 better than to ask, but not being an expert on the subject,
7 in other words, any of those items you did not mention
8 you are saying they are of minor concern?

9 A They are of much less importance than
10 the wind speed and wind direction, especially when you
11 are looking at the source monitor combination.

12 Q Was there anything of an unusual nature
13 regarding any of these other aspects of meteorology?
14 You have talked, of course, about the wind speed and
15 direction, emission rate, similar emissions rates, and
16 similar stack parameters as part and parcel of those
17 things. Is there anything else?

18 A Not that I am aware of.

19 HEARING OFFICER: Okay. I have no other
20 questions.

21 MR. KISSEL: I do have a follow-up question
22 to what you asked.
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RE-CROSS EXAMINATION

QUESTIONS BY MR. KISSEL:

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3 Q You used the point that this wind speed
4 and direction and meteorology was not unusual. How
5 often would it occur in a five year period?

6 A I don't know.

7 Q Well, would it occur 5% of the time,
8 10% of the time, 50% of the time, 100% of the time?

9 A I cannot say.

10 Q How do you know it is unusual or not
11 then?

12 A Well, basically from my experience of
13 working with five years composit meteorological data,
14 there is nothing, the wind speeds were not so high as to
15 be considered unusual, and the direction, of course, --

16 Q It is not just a question of one, another,
17 and another, it is a combination of them at the same time,
18 is it not, wind stability?

19 A Yes. There has to be a certain amount
20 of persistence with those conditions.

21 Q You are familiar with the Murray & Trettel
22 study with regard to Alton Packaging with regard to this
23 area, correct?
24
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1 MR. RISSEL: I object to the basis that
 2 it is a matter of Agency record. I certainly don't believe
 3 a Permit Engineer without any experience in modeling and
 4 other things or anything except looking at Permit
 5 applications can now speculate as to what he thought were
 6 the reasons why he did something in the past. That is
 7 impossible to cross examine this witness on in that kind
 8 of testimony. If he didn't put it in the record, then
 9 it is not relevant to this proceeding.

10 HEARING OFFICER: He may answer as to the
 11 basis of his recommendation. It may be relevant to other
 12 factors.

13 A There were two reasons for the
 14 recommendation.

15 MR. ISSERSON: All right. For clarity
 16 sake, are these reasons stated in the permit Denial
 17 letter of August 27, 1985?

18 A Yes they are.

19 Q Did you draft that letter?

20 A Yes I did.

21 Q Okay. Could you state the reasons
 22 that were given there?

23 A First the emission rate from the
 24

1 coal fired boilers was in excess of the Board's emission
2 limits for these sources, the 1.5 pounds per million
3 BTU limit.

4 Secondly, on the basis of a study done by
5 the Agency's Air Quality Planning Section, the Alton
6 Packaging boilers were the major contributor to an
7 ambient air quality violation in November of 1984.

8 Q And you said that the Alton Packaging
9 Boilers 6 and 7 emitted sulfur dioxide in excess of 1.5
10 pounds per million BTU's of heat input. Where is that
11 information contained or where did you get it?

12 A The information came from Alton Packaging
13 Corporation and it was -- the company has been furnishing
14 that information to the Agency on an annual basis.

15 Q Is that information contained in the
16 Agency record?

17 A Yes it is.

18 Q Is there any information in the Agency
19 record or the Agency files, application, what have you,
20 Permit application, what have you, to indicate that
21 Alton Packaging's operations of the Boilers 6 and 7 would
22 not be in violation of the 1.5 pounds Standard?

23 A No there is not any.
24

1 Q Is there any information contained in
2 those records which would indicate that Alton Packaging
3 would not, in the future, cause exceedances of the Ambient
4 Air Quality Standards?

5 MR. KISSEL: I object to the form of the
6 question. We are getting into speculation also.

7 HEARING OFFICER: I will sustain the
8 objection. Rephrase the question.

9 MR. INGERSOLL: Has Alton Packaging
10 provided any information upon which you could determine
11 that it would not cause future exceedances of the National
12 Ambient Air Quality standards for sulfur dioxide?

13 A No, there has not been any information
14 provided.

15 Q Is reason number 1 stated in the Permit
16 Denial letter sufficient independently to warrant a denial
17 of a Permit?

18 MR. KISSEL: I object to the form of the
19 question. We are getting into speculation which again
20 goes far beyond what this proceeding is supposed to do.

21 HEARING OFFICER: Are you asking him, Mr.
22 Ingersoll, with regard to the rules and regulations, in
23 other words, if that is a sufficient basis?

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MR. INGERSOLL: I will rephrase the question.

HEARING OFFICER: Okay.

MR. INGERSOLL: Is the reason stated as number 1 in the permit denial letter sufficient in and of itself for you to recommend a denial of the permit?

MR. KISSEL: Object, calling for a legal conclusion, and also going into his mind.

HEARING OFFICER: I'm going to allow him to answer the question.

A Yes. Yes it is.

MR. INGERSOLL: And about reason number 2 that you stated, in your experience at the Agency, would that reason in and of itself be sufficient for you to recommend denial of a permit?

MR. KISSEL: Same objection.

HEARING OFFICER: Same ruling.

A Yes it would.

MR. INGERSOLL: Okay. I have no further questions.

CASE EXAMINATION

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QUESTIONS BY MR. KISSHL:

Q Mr. Dennis, did I understand you to say that you saw nothing from Alton Packaging Corporation concerning modeling studies and emission rates and things like that, is that right?

A No, I don't think that was the question. It was whether information had been provided to show that no future ambient air problems would result.

Q You never saw anything like that?

A To clarify that, there have been studies submitted but not as part of a permit, but these studies have not been accepted either by the Board or by the Agency.

Q Mr. Dennis, do I understand that you are aware that Alton Packaging has done some modeling studies to show relationships between its emissions and Ambient Air Quality Standards, were you aware of those when you went through this permit appeal process?

A Certainly.

Q Or permit process?

A Certainly.

Q Did you review them?

A I read through them. It was not my

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responsibility to review the modeling part of it, no.

Q So you knew they existed and you reviewed them, right? You looked at them?

A I looked at them, yes.

Q All right. Do they form a part of the Agency record?

A They are not included in the record, no, not to my knowledge.

Q Why not?

A Well, I did not include them on the advice of counsel.

Q I see. What other things did you review that are not in the record?

A Could you be more specific?

Q Well, let me ask you this question. Did you review anything else concerning Alton Packaging Corporation when you made the decision or recommendation on the permit on this case, or permit application, other than what is in the record before the Pollution Control Board?

A I glanced through the file which is quite a thick file, and there was large quantities of material that had no relevance on the decision.

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Whatever material was relevant to the Permit decision was included.

Q. Would not the modeling studies done by Alter Packaging Corporation concerning the relationship between emissions and ambient air quality standards, would that not be relevant to the proceeding in the case where you are alleging a relationship between emissions and Air Quality Standards?

A. That was submitted as part of a Variance Petition to the Board.

Q. But you were aware of it, were you not?

A. I was aware of it.

Q. You knew it existed?

A. Yes.

Q. You could walk in, get it, look at it, could you not, and you did look at it, did you not?

A. Well, it is already information the Board is aware of to my knowledge.

Q. So you considered that a part of this proceeding?

A. It is not part of the record, no.

Q. But you say the Board is aware of it. Does that mean you believe it should be a part of this

...to FILE

1 proceeding?

2 MR. INGERSOLL: I will object. That calls
3 for a legal conclusion.

4 MR. KISSEL: I think we are into a really
5 strong area here. We have a Permit Review Engineer.

6 MR. INGERSOLL: You had 60 days to augment
7 the record which you have not bothered to do.

8 MR. KISSEL: Let me suggest here we have
9 a Permit Engineer who has reviewed documents that he has
10 not included in a record before the Pollution Control
11 Board. I think that is relevant.

12 MR. INGERSOLL: I agree with you that part
13 is relevant, but the question you put to him as to whether
14 he believes certain documents should be a part of the record
15 I think is not relevant.

16 MR. KISSEL: The reason for that question,
17 Mr. Hearing Officer, was that it sounded like he believed
18 that it already was part of the record. He said the
19 Board was aware of it which implied to me he did not have
20 to put it in the record because it should already be a
21 part of this record. I thought he said that.

22 HEARING OFFICER: He clearly answered with
23 the understanding it is not part of the record. What you
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1 think should or should not be is not relevant, not within
2 his domain. Put another question.

3 MR. KISSEL: All right. Would you not
4 believe that a modeling study on emissions and relationship
5 to Ambient Air Quality Standards would be relevant in
6 this situation where you have denied a Permit on the basis
7 of the relationship between emissions and Ambient Air
8 Quality Standards?

9 A It would be relevant if it were in a
10 final form and were accepted by both parties as a final
11 document that we want that could be accepted, and none
12 of the modeling studies to my knowledge have been acceptable
13 yet.

14 Q What would have to happen for it to be
15 acceptable?

16 MR. INGERSOLL: Objection, calls for a
17 legal conclusion.

18 HEARING OFFICER: I don't know really
19 until I hear you answer that question. I will let him
20 answer it.

21 MR. KISSEL: I'm trying to find out myself.
22 I don't know about this process.

23 A Well, there are a number of modeling
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1 guidelines that have been set forth in several documents
2 by the United States Environmental Protection Agency,
3 a rule change particularly, one that Alton Packaging
4 would have to submit modeling and adhere to those guide-
5 lines in order to be acceptable to the United States
6 Environmental Protection Agency, and, therefore, acceptable
7 to the Illinois Environmental Protection Agency.

8 Q You are aware of this modeling study
9 done by Murray & Trettel for Alton Packaging Company, are
10 you not? You did look at it, right?

11 A I looked at what materials were submitted
12 as part of the Variance Petition.

13 Q Is there a formal Agency process by
14 which that would be accepted or not accepted as a study?

15 A It was submitted to the Board.

16 Q I'm talking about the Agency now. Is
17 there a formal Agency process which says we accept this
18 study?

19 A In some instances there are if it is
20 a study done as part of a permit application, and then a
21 final acceptance would be granted and a Permit issued.

22 Q Knowing what you do about this effort,
23 is there a formal process for this particular study to be
24
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1 accepted or not accepted by the agency?

2 A There is not in this case, no, because
3 the proper form was the Board for the rule change.

4 Q Was this study not accepted, stamped
5 "We do not accept this study" by the agency?

6 A I don't recall exactly what communication
7 would have been made, I don't know.

8 Q Well, if you have a modeling study,
9 you are reviewing a Permit application, the modeling
10 study is relevant to that. You said you would not accept
11 it, you would not review it because it was not accepted
12 I mean.

13 My question was, who and when and how was
14 it not accepted?

15 A Well, the Board dismissed the Variance
16 case, so the Board did not accept it.

17 Q Did anybody at the Agency say "We do
18 not accept this study?"

19 MR. INGERSOLL: I object. It calls for
20 hearsay.

21 HEARING OFFICER: If he knows he may
22 answer.

23 A I don't recall any specific communication.
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1 that went to the company.

2 Q All right. Do I understand that the
3 only reason you did not consider this is because the Board
4 dismissed the other proceeding and, therefore, you deemed
5 that to be not accepting the study?

6 A I think that is the major reason, yes.

7 Q So it has nothing to do with the Agency
8 accepting the study or not accepting it, it's what the
9 Board did?

10 A Well, I don't think I would say that.
11 I would not say it has nothing to do with it. The permit
12 action was based on two reasons, and the study was not
13 sufficient to overrule the information that we had.

14 Q This record that we have here (indicating),
15 you have obviously reviewed it, have you not?

16 A Yes.

17 Q This Agency record?

18 A Yes I have.

19 Q Does that contain all the correspondence
20 between the Agency and Alton Packaging Corporation
21 concerning the permit application?

22 A Well, going back to the initial application,
23 in this case 1983, I think it does.
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Q So if there was a letter requesting information in this file and there is no response, it means there was no response, right?

A Yes, I think that is true.

Q So that if you look at Exhibit 3 (indicating), do you recognize that?

HEARING OFFICER: This is Exhibit 3 in the Agency record?

MR. KISSEL: Yes, I'm sorry, that's right.

A Yes.

Q You recognize it?

A Yes.

Q Describe it for the record.

A This is a letter from Mr. Pyatt of Alton Packaging to Mr. Franke of the Agency responding to a letter of July 22, 1985.

Q Is there any request in that letter from Mr. Pyatt to the Agency?

A Mr. Pyatt is requesting information on all of the SO 2 emission sources in Alton and Wood River areas, as well as meteorological data from the Alton monitor site for the month of November, '84, to enable him to review the air quality excursions presumably.

1 Q Was that letter ever responded to?

2 A I don't know if it was or not.

3 Q Well, if there is no letter in the file
4 you gave me and none before the Board responding to that,
5 does that mean it was not responded to?

6 MR. INGERSOLL: I object to the question,
7 it is overly broad.

8 HEARING OFFICER: The question has been
9 asked and answered previously I think.

10 MR. KISSEL: I'm getting him to affirm
11 this specific letter is all.

12 HEARING OFFICER: I think he answered he
13 does not know other than the fact he presumes all of the
14 record is included from '63 on, so I think that is as much
15 answer as can be anticipated from him, and I will sustain
16 the objection.

17 MR. KISSEL: That's all.

18
19 REDIRECT EXAMINATION

20 QUESTIONS BY MR. INGERSOLL:

21 Q Mr. Dennis, did you review the modeling
22 report that Mr. Kissel mentioned in preparing the
23 recommendation which I see in the agency record as
24

1 Exhibit 27

2 L. Only noting that the Variance case had
3 been dismissed by the Board.

4 MR. INGERSOLL: Thank you. No further
5 questions.

6 HEARING OFFICER: No questions of this
7 witness. Well, I would like to ask you one question.

8
9 QUESTIONS BY THE HEARING OFFICER:

10 Q Various reference has been made to
11 certain studies or information that is not in the record.
12 Did you rely upon any of these studies in reaching the
13 conclusions or recommendations that you testified to?
14 Do you understand my question?

15 A Yes I understand your question. The
16 recommendation that I made relied upon the study that
17 was performed by the Agency's own modelers, as well as
18 information on the coal usage.

19 Q Those are all part of the record?

20 A That is correct.

21 Q So my question was, did you rely upon
22 any of the studies or information that is not in this
23 record to reach any of your conclusions or recommendations?
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A NO I did not.

HEARING OFFICER: Thank you. I have no other questions. Are there any other questions by the parties of this witness or any other witnesses? You may step down.

There is no indication there is any questioning of any of the parties present, and there being no one else present in the audience other than parties previously introduced, I entertain any brief closing remarks if you care to make them, Mr. Kissel.

MR. KISSEL: Well, I would like to suggest that we get some time to brief this rather than go through closing remarks.

There is some new issues that came up today. I think that there is enough intricate legal problems here that I would like to get about thirty days to file a brief, and then the Agency can respond if they would like.

HEARING OFFICER: I will give you thirty days to file a brief.

MR. INGERSOLL: And twenty-one after that.

HEARING OFFICER: Twenty-one following receipt of the brief for response by the Agency after

1 which the record will be closed.

2 MR. KISSEL: I would like -- off the record.
3 (Whereupon a discussion was had off the
4 record.)

5 HEARING OFFICER: Make a statement on the
6 record regarding all that.

7 MR. KISSEL: I would like to ask that the
8 time for filing the brief begin from the date we receive
9 the official transcript from the court reporter.

10 Then everything would flow from that. I
11 agree on behalf of Alton Packaging to extend the decision
12 date to accommodate this additional time.

13 HEARING OFFICER: In other words all times
14 would run in the same way they would otherwise by the rules,
15 beginning from the date that you submit your brief and
16 he submits his answer.

17 MR. KISSEL: Yes.

18 HEARING OFFICER: All right. Prior waivers
19 are on file I think.

20 MR. KISSEL: Yes.

21 HEARING OFFICER: Any objection to that,
22 Mr. Ingersoll?

23 MR. INGERSOLL: No, I don't have any.
24

1 HEARING OFFICER: We will do it on that
2 presumption, we do have a stipulation I mean. I do have
3 an exhibit. Petitioner's Exhibit 1, are you moving to
4 have this admitted, Mr. Kissel?

5 MR. KISSEL: No, I don't need it to be
6 admitted. It was done to refresh his recollection. It
7 is not evidence in and of itself. The testimony he gave
8 from it is adequate in the record as far as I am concerned.

9 MR. INGERSOLL: Okay.

10 HEARING OFFICER: All right. I would like
11 the exhibit copied and supplied to her in any event so
12 it is part of the transcript, and return the original to
13 David Kolaz.

14 I'm going to make a finding that each of
15 the witnesses who were called and who testified today,
16 that specifically, of course, being Mr. Patrick Dennis,
17 Mr. John Shrock, and Mr. David Kolaz, were credible
18 witnesses, and by that I would indicate that they showed
19 basis for their opinions, and their education backgrounds,
20 and experience to justify their testimony.

21 The statement of their credibility does
22 not indicate a statement of whether I agree or disagree
23 with the conclusions they may have reached, but simply
24

1 that they are credible witnesses who honestly and openly
2 presented themselves and testified to the best of their
3 ability in the most straightforward manner today.

4 That is my finding of credibility.

5 MR. KISSER: Thank you.

6 HEARING OFFICER: Anything else you can
7 think of we may have overlooked.

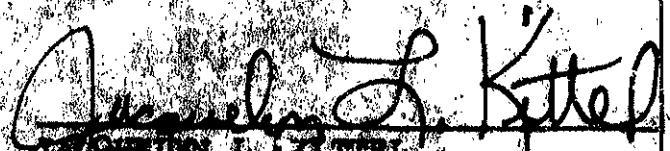
8 MR. KISSER: No. We don't have any members
9 of the public.

10 HEARING OFFICER: This hearing comes to a
11 conclusion then at 12:15. Thank you very much.

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2 STATE OF ILLINOIS)
3 COUNTY OF MADISON) 98

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5 JACQUELYN L. KITTEL hereby certifies that
6 she is the Certified Shorthand Reporter who reported in
7 shorthand the proceedings had in the above-entitled matter,
8 and that the foregoing is a true and complete transcript
9 of said proceedings.

10
11 

12 JACQUELYN L. KITTEL
13 Certified Shorthand Reporter
14 Registered Professional Reporter
15 Notary Public in and for the
16 County of Madison, State of Ill.

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My Commission expires March 12, 1986.

ALTL SO₂
Precision

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A. L. Jettel 1-6-85 (PCB 85-143)