## In The Matter Of:

Proposed Regulation Amendments to Alaska Administrative Code, Title 18, Chapter 50

June 26, 2019

Crystal Thompson Court Reporting Services, LLC 104 Kutter Road Fairbanks, Alaska 99701 (907) 460-9535 AlaskaCrystal@gmail.com

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DEPARTMENT OF ENVIRONMENTAL CONSERVATION Proposed Regulation Amendments to Alaska Administrative Code, Title 18, Chapter 50 Wednesday, June 26, 2019 Fairbanks, Alaska DEC Members Present: Jason Brune, DEC Commissioner Alice Edwards, Air Quality Director Cindy Heil, Environmental Program Manager Steven Hoke, Environmental Program Specialist 

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WEDNESDAY, JUNE 26, 2019 1 FAIRBANKS, ALASKA 2 3 12:00 P.M. 4 5 COMMISSIONER BRUNE: Good afternoon, everyone. The time is 12:00. And welcome to the hearing. 6 The 7 public hearing has now started. Please open the public 8 record. 9 My name is Jason Brune, the Alaska Department of Environmental Conservation commissioner. 10 Today's date is June 26, 2019. It is 12 p.m. in Fairbanks, Alaska. 11 12 The purpose of today's public hearing is to 13 receive testimony on proposed regulation amendments to Alaska Administrative Code, Title 18, Chapter 50, which is 14 15 being revised to update adoption by reference dates of federal air quality regulations used in air quality 16 control permits, clarify additional regulatory language, 17 18 adopt federally required amendments to the state air quality plan, revise Standard Conditions, and repeal 19 20 regulatory language no longer needed. The proposed regulation revisions include the 21 22 following: 23 18 AAC 50.030 is amended to adopt revisions to 24 the State Air Quality Control Plan, including adding a new section -- Volume II, Section III.D.7: Fairbanks North 25

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Star Borough (FNSB) Fine Particulate Matter (PM-2.5) 1 2 Serious State Implementation Plan (SIP) and amending Volume III Appendix to Volume II, Section II to 3 4 incorporate the proposed regulations after public review 5 and comment. 18 AAC 50.075 is amended to add requirements 6 7 regarding visible emissions. 8 18 AAC 50.076 is amended to add requirements 9 for wood sellers. 18 AAC 50.077 is amended to add requirements 10 for wood-fired heating devices within the serious 11 12 nonattainment area. 18 AAC 50.078 is a new section to add new 13 control measures related to diesel fuel use and smaller 14 15 commercial sources of PM-2.5 within the serious nonattainment area. 16 18 AAC 50.079 is amended to add requirements 17 18 for coal-fired heating devices. 19 18 AAC 50.990 is amended to add definitions 20 for catalytic oxidizer, charbroiler, chain-driven charbroiler, and used oil. 21 22 Today's hearing does not include a forum for 23 questions and answers. There is a handout in the back of 24 the room with additional information on the proposed 25 regulations and public comment options, including the DEC

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Web site address for this effort and where you can provide
 comments online. There is no requirement to provide both
 oral and written testimony. All testimony is treated
 equally.

5 Your testimony may include questions for the 6 department regarding the proposed regulations. All 7 questions received before July 16th, 2019, at 5 p.m., 8 either in writing or at a public hearing, will be 9 answered. Answers will be posted on our Web site before 10 the close of the public comment period.

11 With us today we have members of the DEC staff, as well as what appears to be around 30 members of 12 13 the public. The importance of public hearings and comments for agency decisions is very important, and we 14 15 value your participation. Your input at this hearing is one of the principal ways to contribute to the 16 decision-making process. Your comments may influence the 17 18 final regulations and will help us to better serve you and 19 other Alaskans.

So the requirements on the public hearing -many of you have already done this, but we need everyone to please sign in if you wish to testify. The sign-up sheet will set the order of testimony. Anyone who is present and has signed in before 1:30 p.m., when this hearing is scheduled to close, will be given the

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opportunity to testify. All testimony will be accepted 1 2 during the public hearing, but it will not be addressed until after the close of the public comment period on July 3 4 26th, 2019. We will also accept written comments at this 5 hearing. The department will accept written comments until July 26, 2019, at 5 p.m. 6 7 Please deliver or mail comments to the 8 attention of the Department of Environmental Conservation, 9 Division of Air Quality, 555 Cordova Street, Anchorage, Alaska 99501, Attention: Cindy Heil. 10 11 Or you can fax them to (907) 269-7508. E-mail them to dec.air.comment@alaska.gov. 12 Or they can be submitted online via 13 dec.alaska.gov/applications/air/airtoolsweb/formalcomments 14 15 For today's testimony we are going to have a three-minute limit for individuals, and a five-minute 16 limit for individuals representing groups. Please 17 18 identify whether you are testifying as an individual or a 19 group at the start of your testimony. When you do come up, we will ask everyone to 20 please state your name for the record and spell it out for 21 Crystal so that she can get it accurately put into the 22 23 record. Do state the organization if you do represent one 24 and your mailing address for the record. 25 When all of the signed-up people have been

given the opportunity to testify, I will ask again if 1 others wish to testify in the room. And otherwise, I will 2 3 go off record unless new people would like to testify. So with that, I have a list and there is an 4 additional list in the back, if you haven't had the 5 opportunity to sign up. I am going to read three names. 6 7 The first will come up to testify, and the other two will be the next two that will be on deck and in the hole, to 8 9 use a baseball analogy, and we will continue that until we 10 get through this list. 11 So that being said, we have John Brading. 12 MR. JOHN BRADING: Brading. 13 COMMISSIONER BRUNE: Brading. I'm sorry. I'm doing my best to read. And on deck is going to be Owen Q. 14 15 Hanley, and in the hole will be Liz Greig. So, Mr. Brading, please come up and give your 16 testimony and state your name for the record, please. 17 18 Thank you for being here. 19 MR. JOHN BRADING: John Brading. J-o-h-n B-r-a-d-i-n-g. And I live at 2204 Steese Highway, 20 Fairbanks, Alaska 99712. 21 22 I'd like to address the proposed regulation 23 concerning PM-2.5, the sulfur dioxide issue. So PM-2.5 is 24 also made up of elements identified as precursor 25 pollutants. Sulfur dioxide is one of those. Sulfur

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dioxide, SO2 is the second largest component of the PM-2.5 problem. SO2 comes from the sulfur in home heating fuel and other diesel and coal combustion. Diesel Number 2 has 2,566 parts per million of sulfur, while Diesel Number 1 has only 896 parts per million.

And this information -- this next information 6 7 is concerned about the same issue, but I have the list that comes from the State of Alaska, Department of 8 9 Environmental Conservation, Office of the Commissioner, dated December 14th, 2007, when Sarah Palin was governor. 10 And it was written to the Environmental Protection Agency, 11 12 Region 10. And I'm going to pull out the parts that deal with the emissions concerning SO2, sulfur dioxide. 13

Inversion zones' conditions together with local emissions of PM-2.5, and its precursor, especially sulfur dioxide, can cause episodes of elevated PM-2.5 concentration. That was on page number 5.

And this is page number 10, and this concerns sulfates. It says that a likely source of sulfate dioxide emissions and atmospheric sulfate is fuel burning for space heating homes.

And then there is page 12 that concerns the same issue.

24 Page number 16 talks about sulfur. And that's25 all from that particular one back in December 14th, 2007.

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So my question is 13 years ago this 1 2 information about sulfur has been on record at the DEC and at EPA, and yet it never was put -- it never was told to 3 us that by changing to a -- the Diesel Number 1 versus 4 5 Number 2 for the last 13 years would have reduced a considerable amount of PM-2.5 for 13 years, and it has not 6 7 been done. But you had the news; you had the information. 8 Other groups, not this particular group of people at the 9 DEC, but back when Sarah Palin was governor -- that group put this info into this document that I have --10 11 COMMISSIONER BRUNE: Mr. Brading, if I could

11 ask you to please finish your comments. Your three 13 minutes is up. And you can continue the question, but if 14 you want that question -- if you have further to add to 15 that you can either submit it in writing or you can please 16 try to hurry up with the question.

MR. JOHN BRADING: That's good enough. 17 I just 18 wanted to know when -- why it wasn't put in there 13 years ago to use number 1 instead of number 2. Because a 19 tremendous amount of PM-2.5 that's involved in that, it 20 21 could have reduced it. We might not even be here today talking about it if they had done that 13 years ago, put 22 23 in number 1. That's my comment.

24 COMMISSIONER BRUNE: Okay. Thank you, Mr. Brading.
25 We will address that question formally. And we appreciate

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Thank you for your testimony today. 1 your comments today. Next up is Owen Q. Hanley, followed by Liz 2 3 Greig and Lisa Baraff. MS. BARAFF: No. I'm not testifying. 4 I put 5 it on there. Oh, okay. 6 COMMISSIONER BRUNE: I'm so sorry, 7 Lisa. 8 John Denny will be testifying after Liz. 9 Mr. Hanley. DR. OWEN Q. HANLEY: Thank you for taking 10 So the SIP, I'm really happy, the SIP has lots 11 testimony. of elements needed to help solve our air quality problem. 12 13 Two things are lacking. One is resources, and the second is site enforcement power. So ADAC has taken 14 15 on a big project without new staffing or funding to carry it out. 16 This is going to take money and manpower. There are 14,000 wood stoves, approximately, 17 in the borough, and compliance has been poor in the past. 18 19 So 30 percent or 40 percent noncompliant with burning restrictions. So that's -- even if you have a 10 percent 20 noncompliance rate, that's 1,400 people who may be burning 21 22 when they're not supposed to. Even if only 10 percent of 23 those are reported, that's 140 complaints. It's going to 24 take someone to verify that those are real and not 25 mistakes.

So we're going to need a significant staff to go out and verify that people are really doing what they shouldn't do and be given a message and education to do the right thing.

5 Second, ADAC doesn't have citation authority. People are going to ignore speed limits if it has no 6 7 consequences. So education and letters are a good 8 first-time plan, but for those who repeatedly ignore the 9 burn restrictions that have been put up, we're going to have to have some consequence that can be officially 10 carried out. Otherwise, ADAC's words won't be taken 11 seriously. We'll have poor compliance and little program. 12

And I think judicial processes are just cumbersome and aren't going to do it. So I think having adequate resources and citation authority will show the public that ADAC is serious. It's human nature to behave better when people are watching and there are consequences.

So I request ADAC to ask the governor and the legislature for both, adequate resources to carry out the job it's taken on, and citation authority to use when it's needed to help it succeed. I think just having the citation authority may greatly reduce the need to use it, because people will know that it intends to do the job it's been given. Thank you.

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1 COMMISSIONER BRUNE: Thank you, Mr. Hanley, 2 for your testimony. 3 Next up is Lisa Baraff followed by John Denny 4 followed by Chad Schumacher. 5 Ms. Greig. MS. LIZ GREIG: Liz Greig, G-r-e-i-g. 48 6 Farewell, Apartment B -- Farewell Avenue. Sorry --7 8 Fairbanks, 99701. 9 So I live in Hamilton Acres, and that is one of the most eqregious communities in terms of PM-2.5 10 particulate levels in this area. That's an aside comment, 11 12 but I do live there, so I do breathe it. What I'm really wanting to talk about is the 13 retrofit emission program -- it's not really a program. 14 15 It's proposed. There is going to be a group of people 16 forming a co-op for electrostatic precipitators. And the reason I talk about this is because despite the size and 17 18 scope of the IGU LNG project, they are not going to be 19 able to meet the deadline of December 31st in terms of mitigating the PM-2.5 levels -- by 2019, December 31st. 20 Electrostatic precipitators will go a long way 21 towards mitigating the PM-2.5 levels. In conversation 22 23 with Patrice Lee, who was working with a clean air group, 24 I asked her why is it that they -- and I've also spoken to 25 Mayor Bryce Ward about this -- why is it that you have

\$480,000 that you're spending to study something when there is a gizmo available, the ESP -- I'm calling it "a gizmo" -- that will actually affect, in a concrete manner, the 2.5 emissions.

5 So in the course of conversation with Ms. Lee, 6 she said that the State is the one that has the control 7 over the air quality in our area here in Fairbanks. The 8 borough no longer has that control. The State does. So 9 that's why I'm addressing you.

10 And I would like to know that the State 11 considers the electrostatic precipitators a reasonable and 12 valid component of any plan that's put forward and that it 13 has the State's support, because it's a concrete 14 measurable difference, and that's what we need. It's a 15 pragmatic measure to take while we're waiting for other 16 projects to come down the pike and make an effect.

But in terms of the deadline, December 31st of this year, I think that could be put into plan. Hopefully not at the speed of government, but sooner.

20 COMMISSIONER BRUNE: Ms. Greig, thank you so 21 much for your testimony.

22 Next up, John Denny followed by Chad23 Schumacher and William Rogers.

24 Mr. Denny.

25

MR. JOHN DENNY: My name is John Denny.

1 J-o-h-n D-e-n-n-y.

I'm speaking having worked with a couple 2 3 groups, primarily Golden Valley Electric, my employer, 758 4 Illinois Street, Fairbanks, Alaska 99701. 5 My comments today will be brief. We're submitting a written comment for the commission and I 6 7 think they will be very telling environmentally where we 8 stand and how that impacts us. 9 I would urge consideration, though, with regard to fuel changes, that we'd gain full understanding 10 of that market before changes are implemented. 11 That's our primary concern as it affects the rate payers and members 12 13 of the co-op within the community. As I said, my comments are brief, but we 14 15 wanted to make sure to go on record with just that, that we want to urge full understanding of the fuel market and 16 the potential changes that it might make and how that 17 18 might impact GVEA's members. 19 COMMISSIONER BRUNE: Thank you, Mr. Denny. Ι 20 appreciate your comments. Next is Chad Schumacher followed by William 21 22 Rogers and Ken Hall. 23 Mr. Schumacher.

24MR. CHAD SCHUMACHER: Good afternoon. My name25is Chad Schumacher. I'm the general manager of Superior

I am here representing Superior Pellet 1 Pellet Fuels. 2 Fuels, as well as the Air Quality Stakeholders Coalition 3 which was a small group formed after the larger 4 stakeholders group organization from last fall. 5 My comments -- I'm sorry. And Schumacher is S-c-h-u-m-a-c-h-e-r. My address is 508 West Fourth 6 7 Avenue, North Pole, Alaska 99705. So my comments are specifically in regards to 8 9 the Air Quality Stakeholders Coalition. They are submitting comments specific to the community input for 10 11 this serious SIP. Superior Pellet Fuels strongly supports the comments that are being submitted through that Air 12 13 Quality Stakeholders Coalition, but I did want to highlight a couple of those items. 14 15 Specifically in regards to solid fuel The first one, we recognize the value to the 16 suppliers. community of solid fuels, wood pellets, firewood, and 17 18 coal, and support consistent standards for a responsible 19 solid fuel use. A major shortcoming of the EPA's evaluation process is that it does not consistently apply 20 21 emission standards to solid fuel-burning devices. Instead it focuses -- the focus should be on emission rates per 22 23 unit of energy rather than banning specific devices based

24 on fuel type alone.

25

The second item I wanted to highlight is in

regards to the solid fuel suppliers, we remain concerned 1 2 about the access and availability of dry firewood, 3 especially with the upcoming changes to -- and 4 requirements here in a couple years for dry firewood. 5 Which means we strongly encourage the community's involvement and the DEC's support of a local community 6 7 kiln to be able to guarantee a controlled substances for 8 fuel from the firewood perspective.

9 And that the DEC, the Department of State Forestry, and the borough's Land Management work together 10 to make more raw materials available in regards to 11 12 low-moisture-content wood: i.e., spruce bark beetle-infested areas, fire mitigation, flood reclamation, 13 wind storm salvage. There are literally thousands of 14 15 acres within a hundred-mile radius of the Fairbanks area 16 that needs cooperation between the borough and the State to develop access to those resources, but it would greatly 17 18 improve the availability of dry-firewood access for that 19 community use.

Access to those areas does require a lot of cooperation, and unfortunately we haven't seen it work out that way over the previous many years. But definitely believe that it is something that could greatly impact the overall access for dry firewood in our community. Thank you.

## COMMISSIONER BRUNE: Thank you,

2 Mr. Schumacher, for your comments.

1

For those that have come in since the start of 3 the hearing, I just want to remind everyone that there is 4 5 a sign-up sheet in the back. You can mark whether or not you wish to testify on that, and we are going in order of 6 7 the folks that have signed up. In addition, when you do 8 testify, we'd ask that you give your name and spell it out 9 for Crystal. The individuals will be given three minutes; organizations will be given five. If you are representing 10 an organization, please make sure you indicate that you 11 12 are representing them, and also your mailing address for 13 the record. With that we have next William Rogers, 14 15 followed by Ken Hall, and then Patrice Lee. 16 So, Mr. Rogers, your testimony, please. MR. WILLIAM ROGERS: 17 Thank you. 18 William Rogers, R-o-g-e-r-s. I'm the owner of 19 McCafferty's Coffee House at 408 Cushman Street, Fairbanks, Alaska. 20 I am speaking on particularly behalf of 21 22 myself, but there are four commercial coffee roasters in 23 Fairbanks that I am aware of. One of which is larger than 24 the other three. 25 Firstly, I want to make sure that I thank the

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1 folks at DEC and the North Star Borough Air Quality folks 2 to include us, a small group of coffee roasters, in the 3 assessment and the rules that will be regulated upon our 4 small group. As I say, one roaster is much larger than 5 the other three.

6 Several years ago there was a bevy of 7 complaints to the, I guess, DEC that there was a lot of 8 coffee roasting smell in the area. I don't remember how 9 many years ago it was. But a couple of folks came around 10 from the DEC and visited all the coffee roasters and did a 11 visual assessment of opacity, as far as I understand.

Listed in the draft of BACM is something that 12 addresses opacity background. The DEC regulation imposes 13 emission limits on industrial processes and fuel-burning 14 15 equipment that are applicable to coffee roasting 16 operations in the North Star Borough. This regulates -this regulation limits opacity visibility emissions to no 17 18 more than 20 percent average over any six consecutive 19 minutes.

I can only give the anecdote that when the couple of guys from DEC came and looked at my coffee roasting operation and read the opacity visibly, the conversation literally went like -- we stood across the way -- the conversation went, "She's going to start roasting now."

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"When's she going to start? Oh, she's done
 already. Okay."

3 So the opacity was very limited. So the point 4 being that -- and I will seque on to the fact that in the 5 analysis in the short coffee roasting section in the DEC's manual, the draft manual, the finding that the thermal 6 7 oxidizer is currently used and control emissions from a 8 facility located within the nonattainment area -- which 9 subsequent to that meeting of DEC with our group, with our roasters, individual roasters, that large roaster did, in 10 fact, incorporate that technology. And as far as I know 11 the complaints of coffee smell throughout the town has 12 diminished quite a bit. 13

14 So the finding that thermal oxidation 15 currently is used to control emissions from a facility 16 located in the nonattainment area, and that this measure 17 is technologically feasible, it is feasible for maybe any 18 roaster of any size. But it may not be economically 19 feasible. And that's certainly a concern to myself, and I 20 suppose to the other three roasters that are here.

21 COMMISSIONER BRUNE: Mr. Rogers, if I could 22 ask you to please sum up your comments. And if you have 23 additional comments, you can submit them in writing as 24 well.

MR. WILLIAM ROGERS: Certainly.

25

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So the point being with that last statement is 1 that we need to be individually assessed, and to make sure 2 3 that the fix doesn't break our abilities and our 4 pocketbooks. We've had this conversation, and I 5 appreciate the conversation, and I know that that is a consideration. But I'm just going on record as making 6 7 that statement. 8 Thank you very much. 9 COMMISSIONER BRUNE: Thank you for your Thank you for coming out today. 10 comments, Mr. Rogers. 11 Next up is Ken Hall followed by Patrice Lee 12 and Mike Prax. Sorry. I can't read your name, Mike. My 13 bad. So, Mr. Hall, your testimony, please. 14 15 MR. KEN HALL: Thank you very much for the 16 opportunity to speak. I'll talk fast. I don't know if I've ever done anything in three minutes. 17 18 My name is Ken Hall. K-e-n H-a-l-l. I live 19 at 2506 Kuskokwim -- that's K-u-s-k-o-k-w-i-m -- Avenue, 99709. 20 I've lived in Fairbanks virtually all my life. 21 And looking at the map, essentially in the nonattainment 22 23 area all my life. I have a wood stove. I burn wood, more 24 recreational, but I have both certified and noncertified 25 stoves.

I work for a trucking company. I burn a lot
 of diesel fuel, but we recognize that we need to do our
 part for the community as well.

Because Fairbanks is home to myself and my 4 5 family, I stay involved with the community through various organizations, one of which is the Fairbanks Chamber. 6 I'm 7 on the Environmental Energy and Natural Resources This has been a topic of which we have looked 8 Committee. 9 at a long time and will supply some written comments going 10 forward on that.

So we appreciate the work the DEC has done.
It's a huge elephant. A lot of moving parts on it.

A couple of things that I would like to A couple of things that I would like to comment on is that it covers a lot of territory. I think DEC has approached it as trying to be the good guy, not the heavy hammer. Certain areas probably will have to be the heavy hammer, which you may not want to go ahead and do, but I think you'll probably have to.

I appreciate the fact that the point sources have been excluded out on this. They do a great job providing energy steam heat to the area. They have implemented cleaning devices. And anything to them would be incredible, a burden upon the residents of Fairbanks. So I appreciate the fact that you've omitted that. Another thing, unfortunately it's a

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four-letter word: coal. It essentially is written on out 1 2 of the SIP. One of the things you need to make sure that 3 the stip going forward has the ability to do is recognize technology going forward. Whether it's developments as 4 5 far as coal, ESP, electronic devices to monitor it, once it's submitted and accepted to the EPA, it's essentially 6 7 cast in stone, as I understand. So anything that can be 8 done to allow enough flexibility for technology going 9 forward, I think, is very important.

10 Wood suppliers. I was at the meeting last I got the list of the wood suppliers. 11 night. The primary violator appears to be burning wet wood. If we all just 12 burn dry wood, it would immensely improve upon the quality 13 of the air during the inversion times. When there's only 14 15 two dry-wood suppliers listed on that, I think that needs It needs to be addressed and looked at. 16 to be changed. 17 Dry wood is paramount on making sure that this goes 18 forward.

19 Number 1 fuel, I think ultimately we're going 20 to end up with it. I think you've estimated the cost, and 21 I would ask you to look at the time line to implement 22 going to number 1 fuel.

23 COMMISSIONER BRUNE: Mr. Hall, if I could ask24 you to please sum up your comments.

25

MR. KEN HALL: Just one last one. Education,

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I think, is very important. The borough, through the 1 moderate SIP plan, had education on in there. 2 It may not be as effective as what you might like to see. It's kind 3 of an intangible thing. I think it's very important going 4 5 forward to do that. Mayor Kassel actually called The personal touch makes a big difference. 6 violators. 7 Dr. Hanley mentioned that as a level of enforcement, so I think that it is important, and I think it's important to 8 9 get the communities involved in the -- within their regions of violation as well too. 10 11 So anyhow, thank you very much. And I still 12 have a lot to go. Thank you. COMMISSIONER BRUNE: Mr. Hall, thank you for 13 your comments. And, of course, you'll have plenty of 14 15 opportunity to submit additional written comments through the July 26 deadline if you're interested. 16 MR. KEN HALL: We look forward to it. And 17 18 thank you for your help on this. 19 COMMISSIONER BRUNE: Absolutely. Next up is Patrice Lee followed by Mike Prax. 20 I'm just going to confirm there are a couple 21 of names that have marked that they did not wish to 22 23 testify, so if you do wish to testify, please let me --24 I'm going to skip your names, but we have Robin Rader is 25 the next individual.

1So Patrice Lee, Mike Prax, and Robin Rader are2up.

Ms. Lee, your testimony, please.

3

MS. PATRICE LEE: Hi. Good afternoon. Patrice Lee, 676 Hillcrest Drive, Fairbanks. And I will be speaking on behalf of Citizens for Clean Air and myself.

8 So health, of course, is the reason for the 9 Clean Air Act. And we had to come about having the 10 federal Clean Air Act because the air was causing lots and 11 lots of people to be unhealthy. So when all is said and 12 done, I hope that health, and health and safety, and 13 people remain as a top priority as we move forward with a 14 plan to clean up our air.

A balance is needed between, you know, the ability to heat your home and stay healthy. And one doesn't need to preclude the other. So that leads me to one of my favorite pet projects, which is the electrostatic precipitator.

I found that it may be one of the things that brings people together more than anything else. Because of its potential as a mitigator for PM-2.5, it's hard to get them wrong, as Representative Wilson has pointed out to me. And she's absolutely right. And they're not expensive in the overall aspect of things.

I would like people to know that there seems 1 to be this issue of test or no test. They've been tested 2 extensively. We know they work. I'm not in the camp of 3 more testing because upon reflection, the company that's 4 5 going to test, perhaps, in our borough is using the same instrument that was used in Europe to test, and that was 6 7 kind of a bone of contention, was the testing device, as I 8 understand it.

9 So I'm hoping we'll work that all out and make 10 sure that if we do go to test them, that we're absolutely 11 assured that we will be getting what we are paying for and 12 what we intend to get with our research.

Next, I'm a big proponent of citation authority, which we don't have. You must have enforceable measures in the SIP or it's not acceptable in the SIP. It just isn't going to get you any points towards having your SIP accepted. And adjudicating, if entered, one case at a time is very expensive.

We shouldn't be doing anything that increases burning in the borough. It's very simple. Reduce smoke, reduce PM-2.5. If we could just deal with the levels that we're presently at and work to mitigate those, I think that would be a good idea.

24There has been a practice in the past -- I25can't tell you which exact years, but violators were able

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to get a clean slate at the beginning of every season. 1 Ι 2 think that's absolutely wrong. It should not happen. If somebody has been a chronic violator, they shouldn't start 3 new every season causing the department to have to do all 4 5 the work over again. If you get in a fight in eighth grade and it goes on your record, you can't get rid of it 6 7 until after you graduate. So I think that should be an 8 issue that's made more fair in the borough.

9 A 5 percent emission plan per year, I think, 10 is dangerous to health and safety. That just prolongs the 11 amount of time that we're going to be breathing emissions 12 that we know are extremely detrimental to our health. I 13 oppose that adamantly.

And then I'd like to ask you this last 14 15 question because it involves air quality. How does the permit to incinerate PFOII soils fit into the SIP since 16 the incinerator may well qualify as a point source? There 17 18 is a grave concern in the community, well past the comment time, because we didn't know during the comment time that 19 we were considered for a pilot project to burn PFOII soils 20 21 in our community. And we would like to know whether that chemical is being volatilized and released into the air. 22 23 We need some kind of assurance that that absolutely would 24 not happen, and that we're not test subjects.

25

The research behind that seems to be pretty

darn skinny, and I'd like to make sure that we all are 1 aware that this should be -- they should be having a lot 2 of discussion. So thank you. 3 COMMISSIONER BRUNE: Ms. Lee, thank you for 4 your testimony and for your question. We appreciate that 5 a lot. 6 7 Up next is Mike Prax, followed by Robin Rader 8 and Jim Dodson. 9 Mr. Prax. MR. MIKE PRAX: Thank you, Mr. Commissioner. 10 11 Mike Prax, 1015 Meadow Rue, North Pole. And 12 thank you for the opportunity to weigh in on this. It's kind of funny, Patrice and I are working 13 on the solutions, the ESPs and a lot of other things. 14 And 15 a lot of other people in the community are working on it 16 too. She and I don't see eye to eye on the 17 18 regulations, but we do work pretty well together on 19 getting this solution. And that's kind of what I want to address, is the implementation of it. I think you need to 20 This came up, actually, a long time ago. 21 trust people. Α 22 good friend of mine, when they came out with this CO 23 program, a guy named Chuck House -- they were worried 24 about the health, too, and Chuck asked the question, "I 25 wonder how many headaches the regulations themselves

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1 cause?"

And it's worth considering. And he too -- he wanted to get the solution, but when you put out regulations, people bristle at the regulations. So that's a dangerous approach.

And ten years ago when this PM-2.5 thing came 6 7 out, we got conversations started, at any rate, between 8 the folks cutting wood and burning wood at the Northern 9 Environmental Center. And we were working together on solutions, then a regulation and an ordinance was 10 proposed. And we went back to fighting each other and the 11 12 coalition fell apart. That was sad. We probably could 13 have had the problem solved by now.

And I think it was Mr. Hall mentioned Mayor 14 15 Kassel's effort to contact people personally was very I think -- as I recall, I think he said he 16 successful. got about 80 percent of people that were violating just 17 18 didn't quite understand the object to the game and they were complying after that call. So that is a successful 19 20 And we're going to employ that, too, for our approach. 21 effort.

And so the other -- I've got to give credit to Bill Rogers for this. This needs to be -- this is the serious SIP from McCafferty's Coffee House --MR. WILLIAM ROGERS: Thanks, Mike.

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MR. MIKE PRAX: Well, it's just a good idea to 1 add a little humor into this and go around, when you see 2 somebody violating air quality, sit down with a cup of SIP 3 and talk about it. Not enforce it. And it really is 4 5 important. You know, there was a lot of angst over the letters that the DEC was sending out, and I went and 6 7 talked to the lady that was sending out the letters. And the letters were offensive because it's a letter. 8 9 But if you talk to her, you can't say, "No." 10 I mean, just a really nice person. But we need that personal touch, and we need to realize both sides of this 11 12 issue. And then finally, on the wood sellers, we need 13 to make sure people understand that. As I understand it 14 15 now, there is no green wood allowed to be sold. And I think that that's going to just drive people into, if you 16 will, a black market for firewood. So we need to make 17 18 sure we understand how that's going to work in practice. 19 Thank you very much. 20 COMMISSIONER BRUNE: Mr. Prax, thank you for your testimony today. 21 I have two additional names left on this sheet 22 23 that have signed up to testify, and then I don't have an 24 additional sheet. So if I could get the next sheet, 25 there's --

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There's two? 1 MS. HEIL: COMMISSIONER BRUNE: This is page 2, yes. 2 3 There's a number of names that are on here that did not want to testify. So next we have Robin Rader followed by 4 5 Jim Dodson, and then I don't have anyone after that, so if there's another sheet that Cindy could bring me and then 6 7 we'll go from there. 8 So Mr. Rader. 9 MR. ROBIN RADER: Robin Rader. I live in the So the North Pole is a cold sink, and I 10 Rosie Creek area. believe that just as the cold sinks in in North Pole that 11 it's very possible that all the smoke generated in the 12 13 Chena River Valley finds its way into North Pole. And so if that's true, then to address North Pole's pollution, 14 15 you're also going to have to address pollution that's 16 actually outside of the nonattainment area. Fairbanks is unique within the United States 17 18 in that we have such intense cold. But it's also one of our strengths because we -- during this cold weather, 19 during the time that the PM-2.5 is an issue, we are 20 primarily inside. And even when we recreate, we are 21 22 typically recreating in the warmer areas. 23 If, however, ambient PM-2.5 is a significant 24 health impact, then we also have an opportunity to impact 25 that through the use of HEPA filters in our homes and in

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And that would be a pretty low economic 1 our schools. 2 impact compared to everything that we're talking about. And finally, ambient PM-2.5 pollution may not 3 4 be the primary health issue with PM-2.5 exposure. Ι 5 talked to a student who had been experimenting with a personal HEPA filter device, and was given use of a 6 7 particle counter. Then he found that the PM-2.5 within 8 their building on campus was significantly higher than 9 ambient. And so if that's true, then we could be spinning our wheels with all this. 10 11 And so I would ask regulators and those that 12 are imposing these regulations to confirm that they are 13 actually improving our health condition. Thank you. COMMISSIONER BRUNE: Thank you, Mr. Rader. 14 Ι 15 appreciate you coming out to testify today. 16 Next up we have Jim Dodson, followed by 17 Marissa Sharrah and Karyn Janssen. 18 So Mr. Dodson. 19 Thank you. MR. JIM DODSON: I'm Jim Dodson. I'm president of Fairbanks 20 21 Economic Development Corporation. Fairbanks Economic Development believes that the air quality is the number 22 23 one economic deterrent to the growth of our community, and 24 it has for some time. 25 We would like to thank the DEC for their

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efforts, their ballast efforts to help the community to 1 2 clean up its air quality. FEDC has worked with groups, 3 including the Air Quality Task Force from the past, that we believed gained community support and recognition. 4 5 Through that end, we encourage the recreation of the Air Quality Task Force and have formed the Fairbanks Air 6 7 Quality Coalition that includes FEDC, the Fairbanks 8 Chamber, Aurora Energy and Golden Valley, Superior 9 Pellets, and others.

10 They have created a white paper that lays out 11 the positions of not only the support of DEC's efforts, 12 but also the recognition that the efforts balance not only 13 our health needs with our economic needs. But we also 14 believe that some type of enforcement authority will be 15 necessary in the future. And we encourage the DEC to seek 16 that enforcement authority.

17 Rather than go through the talking points that 18 I have that the Air Quality Coalition has listed, I'm 19 going to hand that paper in to your staff today, and we 20 will further comment at the appropriate time at the end of 21 this process.

22 So thank you for your time. And thank you for 23 your efforts.

24 COMMISSIONER BRUNE: Thank you, Mr. Dodson,25 for your testimony and your kind words.

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Next up we have Marissa Sharrah followed by
 Karyn Janssen. And as far as I can tell, there are no
 others that are signed up. Many people have signed up as
 not -- we have one more not -- or interested in
 testifying.

6 Again, for those that may have signed in as 7 not interested, you can go back and sign in if you are now 8 suddenly interested. And when you are testifying, if you 9 could please list your name and spell your name for the 10 record. If you are representing an organization, you can 11 speak for five minutes. If you are representing yourself, 12 for three minutes.

And so that's Marissa that's up next.
MS. MARISSA SHARRAH: My intention was to mark
the "No" column. My apologies, Mr. Brune.

16 COMMISSIONER BRUNE: No, no. No. My fault.
17 Then I guess that will leave Karyn Janssen
18 that's up.

Ms. Janssen, thank you for coming out today,and please introduce yourself for the record.

21 MS. KARYN JANSSEN: Okay. My name is Karyn 22 Janssen. K-a-r-y-n J-a-n-s-s-e-n. I'm a homeowner. I 23 live just outside of the nonattainment area. My concern 24 is -- and from the presentation last night, it seems like 25 they were talking about selling only number 1 fuel oil

within the nonattainment zone. But prior I had heard that
 they were maybe going to do that areawide through the
 whole borough.

If I am forced to pay the additional cost and burn the additional gallons of number 1 fuel oil, I don't -- I mean, it's going to be a substantial increase, I believe, in my cost of heating my home. And I don't think that there is that great of a benefit to be gained by burning only number 1 as opposed to number 2.

It would seem to make more sense to me to 10 start restricting new homes being put in and allowing 11 wood-burning stoves in the nonattainment area. 12 I mean, let's take care of the problem where it's starting instead 13 of -- I mean, I've lived in this house for more than 30 14 15 years, and I've never burned wood to heat my house. So I feel like I've been being part of the solution for the 16 last 30 years, and now you're going to penalize me by 17 18 increasing the cost of my heating my home.

19 And that's all I want to say, is that I -- I mean, I live in a house. It's a big house. 20 I have an 21 underground tank. I burn number 2. I burn a fair amount of it. But I also live on 60 acres of trees. 22 If the 23 price goes up substantially, I'll be installing a 24 wood-burning stove and cutting down trees and being part 25 of the problem instead of part of the solution. So I hope

that that is not the first way that you go about trying to 1 2 solve the problem. I mean, we all want clean air. That's one of the reasons why I live out of town and haven't been 3 burning wood. And that's all I've got to say. 4 5 COMMISSIONER BRUNE: Thank you for your testimony, Ms. Janssen. 6 7 MS. KARYN JANSSEN: Okay. Thank you. 8 COMMISSIONER BRUNE: The last individual that 9 I have is Lee Bridgman. 10 Again, if there are others that are interested 11 in testifying -- there's one more. 12 Mr. Bridgman, please introduce yourself for 13 the record. 14 MR. LEE BRIDGMAN: Lee Bridgman. Do you need 15 my address? 16 COMMISSIONER BRUNE: Yes, please. MR. LEE BRIDGMAN: 763 Wanda Drive, North 17 18 Pole. Although I've already gotten a warning notice from you folks, so you probably already have it. 19 But I only burn pellets. But I have two 20 questions of things I've always brought up. 21 Number one is 22 with the higher rate of asthma reports during a no-burn 23 session, the EPA will also tell you that indoor air is 24 more hazardous than outdoor air. So I question whether 25 the DEC has ever gone to the homes of the people who are

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reporting the asthma cases to see whether the homes themselves are unhealthy and whether or not they could do something there. The other thing is the monitors. I've long been recommending that the borough find out what's coming into our community versus what we are developing here ourselves.

7 After I got that notice back in February, I 8 started monitoring the Web site, and there's a monitor 9 somewhere around the Old Richardson and Badger Road where 10 the storage unit is and Spicy Thai. And then there's also 11 one at Ticasuk Brown.

12 If you track the air flow on several of those 13 occasions, it was going basically from the Old Richardson 14 monitor toward Ticasuk Brown. On several occasions when 15 the Old Richardson/Badger Road monitor exceeded the level, 16 and it was also maybe in the 40, 45 area, T. Brown is 17 usually four or five points higher.

So you've got some homes in between there that are adding maybe five points to the measurement. But more importantly, if you look at the wind flow, which was coming out of the south-southwest or southwest on several occasions, and you go across the highway and you look for homes in the direction the wind is coming from, you won't find any.

25

So what is kicking up the 40-plus micrograms

1 or whatever you measure to get to that unit, that monitor at the Old Richardson and Badger to make it cause a 2 warning? There's nothing there. So something is coming 3 up the river, following the Tanana River, maybe coming off 4 5 the military base, maybe -- or the firing range. I just want to know why we're not monitoring what's coming into 6 7 the community and then what the community is adding to it. 8 That's all I have to say. 9 COMMISSIONER BRUNE: Thank you for your 10 testimony, Mr. Bridgman. I appreciate you coming out. And we have one more that just signed up. And I am 11 12 definitely going to butcher this name, so I apologize. 13 It's Michelle Ohnesorge. MS. MICHELLE OHNESORGE: Ohnesorge. 14 15 COMMISSIONER BRUNE: Ohnesorge. I'm so sorry, 16 Michelle. MS. MICHELLE OHNESORGE: That's fine. 17 18 COMMISSIONER BRUNE: Please state your name for the record. 19 MS. MICHELLE OHNESORGE: 20 Michelle Ohnesorge. Spelled O-h-n-e-s-o-r-g-e. I live at 2555 Melissa Loop in 21 22 I'm speaking for myself, but I am a project Fairbanks. 23 manager at Fairbanks Economic Development Corporation, and 24 I was a part of the facilitation team for the Air Quality 25 Stakeholders Group with information insights.

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And I just want to take a minute to say that 1 we really commend the incorporation of the stakeholder 2 recommendations into the Draft SIP, and that those 3 recommendations in that final package took a lot of time 4 5 from a very diverse group of over 60 individuals from our community. And we thought that was addressed very well in 6 7 the Draft SIP and documented very well for specific 8 recommendations. 9 And I would hope that the entire process of that stakeholders group is taken into consideration when 10 there might be adverse comments to certain regulations. 11 And that those recommendations are also still considered 12 13 for the 5 percent plan and other implementation plans that will be drafted here soon. 14 15 That's really all I had. Thank you. Thank you for your 16 COMMISSIONER BRUNE: 17 testimony, Michelle. 18 With that, I have no other names. 19 Are there any other individuals that are interested in providing testimony today? 20 If not, what we will do is we have committed 21 22 to the public that anyone that signs up before 1:30, we 23 will be taking their testimony. And then, of course, we 24 also have a hearing tonight from 5 until 8 p.m. 25 So for now I will go off the record, and if

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anyone comes in between now and 1:30, we will take their 1 2 So thank you very much, everyone, for coming testimony. And we are off record for now. 3 out today. 4 12:55 P.M. 5 (Off record.) 6 1:30 P.M. 7 COMMISSIONER BRUNE: We'll go back on the 8 record. 9 I want to thank everyone for coming out to testify this afternoon. No one else has signed up in the 10 11 interim. So with that I want to let everyone know, of course, that public comments will be part of the 12 decision-making process. After the close of the comment 13 period, DEC will draft a response to all public comments. 14 15 Without further notice, DEC will decide to either, number one, adopt as proposed; two, adopt with other provisions 16 dealing with the same subject; or three, decide to take no 17 18 action on the proposal. The language of the final 19 regulations may be different from that of the proposed 20 amendments. 21 This is June 26, 2019, at 1:30 p.m. in 22 Fairbanks, Alaska. My name is Jason Brune, and this 23 hearing is now closed. 24 1:31 P.M. 25 END OF PUBLIC HEARING

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