

## Transcript of Public Hearing

September 22, 2009

Draft Air Synthetic Minor Construction Permit for Johnson Controls, Inc.



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State of South Carolina
County of Florence

Draft Air Synthetic Minor Construction Permit for Johnson Controls, Inc. Transcript

of

Public Hearing

The within public hearing was taken before Stephen K. Tackett a notary public in and for the State of South Carolina, commencing at the hour of 7:40 p.m., Tuesday, September 22, 2009, at the office Southeastern Institute of Manufacturing and Technology (SIMT), 1951 Pisgah Road, Florence, South Carolina.

Reported by

Stephen K. Tackett

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1	APPEARANCES Hearing Officer: Nancy Whittle	
2	DHEC officials present: Karen Lee	
3	Soraya Purvis Rodney Wingard	
	Elizabeth Basil	
4	James Myers	
5	Speakers from the public: Timothy J. Lafond, P.E.	
6	Cindi Hudson	
7	Lafayette Bailey	
8	Lynne Brinkley	
9	Robert Quick	
10	Cathy Quick	
11	David Hartman, Jr.	
12	Dan Felker	
13	JoAnne Ross	
14	Mike King	
15	Ben Gregg	
16	John Ramsburgh	
17	Nancy Cavie	
18	Peggy Brown	
19	Hampton Shuping	
20	Rebecca Carr	
21	Willis Glynn	
22	Steven A. Vandenberg	
23	Linda Strauss	
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## PROCEEDINGS

MS. WHITTLE: Okay. We're going to go ahead and start this formal part of this meeting. We call it at DHEC a "formal public hearing," and we call it that because we actually have a court reporter and we record this -- this whole part of the meeting. And I do have just a statement I need to read to kind of set this up.

Again, good evening. It is now, looks like, 7:40 on Tuesday, September 22nd, 2009, and this public hearing regarding the "Draft Air Synthetic Minor Construction Permit for Johnson Controls" is now called to order. For the record, this facility will be located on Paper Mill Road in Florence, South Carolina, here in Florence County.

Again, my name is Nancy Whittle. I'm community liaison for DHEC Environmental Quality Control Office, and I will be serving as the hearing officer for this public hearing. And I want to, again, welcome you and, on behalf of DHEC, thank you for taking your time to come tonight.

Before I go any further, there are just a few items we need to address, kind of the working of this public hearing. First, I ask you to turn off any cell phones or -- or switch to vibrate so that

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Page 4 you do not disturb others during the hearing. 1 If you've not already done so, I would 2 encourage you to sign in. When you came in, we had 3 sign-in sheets in the back. By signing in, this 4 5 will ensure that DHEC has a complete record of all 6 attendees at this hearing. We also ask for your 7 mailing address or e-mail address on the sign-in В sheet. We ask that so that, if we have things we 9 want to send with you, we can notify you in writing 10 of any other information we're sending out. 7.1 have other meetings, which we will with that RCRA 12 permitting process, we'll send you notice of those 13 meetings. 14 Also, when you signed in, you should've 15 received a folder with information. It's a green 16 folder that has a lot of information pertaining to 17 this hearing. If you didn't get that, raise your 18 hand and we'll see that --19 I'm completely out. MS. LEE: 20 MS. WHITTLE: Here's one, Karen, you can have. Right 21 there. 22 In there, there's a list of DHEC staff that 23 are present with our addresses and phone numbers 24 and e-mail. And if you didn't get one, if you see 25 us afterwards, we can get you the information.

Next, I would also like to point out our court reporter who is seated to my right. Now, he'll be taking verbatim notes. He is responsible for preparing a written record of the formal hearing — or formal part of this hearing, and the transcript will serve as the official record of this public hearing. If at some time later you are interview — interviewing — interested in reviewing this record of tonight's hearing, you may request to see it from — from DHEC — from the department.

The purpose of this hearing is to provide a formal opportunity for you to give us your verbal and written comments. Also, an opportunity for DHEC staff and representatives of Johnson Controls to present information to you about the draft permit.

It's important that you know that the requested air permit has not been approved and it's still in draft form. The decision to grant or deny this permit has not been made at the time of this hearing. All comments received will be reviewed by DHEC staff prior to making a permit decision so your input is very important. A decision as to whether or not the air permit will be approved, modified, or denied will not be made tonight, not

at this hearing.

We recognize many of you have concerns and questions regarding the draft permit. The comments you share may provide DHEC staff with additional ideas or thoughts about the permit. Please understand that this is not a question—and—answer session. This is considered a formal hearing where comments made will be recorded. And to be sure that everyone has the opportunity to be heard, questions — we won't answer questions. We will just be listening to your comments.

Please note that the draft permit has been written to ensure that Johnson Controls can construct and operate in compliance with state and federal air quality regulations. These regulations are in place to protect human health and welfare and to ensure that air quality standards are maintained.

We welcome your comments this evening. If you plan to make oral comments, you should've noted this on the sign-in sheet, and I have those listed. If you were not sure when you came in that you wanted to speak, you will be given a chance after the people who've signed in. I will ask at the end, "Does anyone else have comments?" So you will

be given an opportunity to make comments if you didn't sign in.

Can everybody hear me in the back? I see some people who look like they're straining. Thanks.

Written comments are also welcome. If you don't feel like coming up here and making a -- a -- a spoken comment, you can certainly write your comment and send it to DHEC. And in the folder, it gives you the address of where you need to send those written comments.

All written comments must be received by DHEC no later than close of business on September 29th, 2009. Again, that date is September 29th, 2009. If you have questions related to submitting written comments, please see us afterwards. See one of our DHEC staff, and we all should be wearing our badges.

In order for tonight's hearing to move forward in a timely and orderly fashion, I'd like to just go over just a brief -- few brief kind of ground rules. There will be no cross-examinations or questions and answers while a presentation or comment is made. And I do reserve the right to ask a speaker to clarify the -- a point. All comments tonight will be made from this podium. So when I

Page 8 call your name, if you've signed in to make a 1 comment, you'll need to come up and speak into this 2 microphone. So that everyone has an opportunity to speak, 5 your comment should not exceed more than five minutes per individual. Please remember that the quality of what each person is saying is what's 8 important tonight, not how many people say the same 9 thing. 10 Before we listen to your comments, we do have 11 some presentations. James Myers, who is with our 12 DHEC's Bureau of Air Quality will explain the 1.3 department's draft permit. Liz kind of gave an 14 overview. He's going to go into more detail, and 15 he is the project engineer on the -- on this 16 particular site. 17 The second presentation will be given by 18 Johnson Controls' Mr. Tim Lafond, who was answering 19 questions earlier. And after those two 20 presentations, then I will start calling the names 21 of the people who've signed up to speak. 22 anyone -- after they have spoken, I'll give you an

Also, something very important that we need

-- an opportunity, if you didn't sign up, if you

want to come up and make a comment.

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for the court reporter: Before making your comment, I would ask that each of you clearly state your name and group you are representing if for — if any, for the court reporter. So if you're representing a group, please state your name and the group. If you're just here representing yourself, state your name clearly. And also, if you have your comments written, if you could leave those with the court reporter, it makes it easier sometimes for him to capture exactly what you said.

Should any statements digress from the intent of this hearing, I may ask the speaker to: "Stop; we need to move on." I ask that each speaker be allowed to present his or her views without interruption. I will not allow disruptions to alter the intent of this hearing. Each person who has requested to speak will be given a fair opportunity to provide his or her — her presentation or statement.

So that kind of ends our formal statement, and I'm going to call on Jim -- James Myers, who will present from DHEC.

MR. MYERS: Good evening. My name is James Myers, and I am a permit writer for the Bureau of Air Quality within the South Carolina Department of Health and

Page 10 Environmental Control. I am here tonight to present information regarding Johnsons [sic] Controls' request to construct a lead-acid battery recycling plant off of Paper Mill Road in Florence County. I would like to briefly explain what the facility has requested, what evaluations we have done of their application, and what requirements are contained in the draft air construction permit. Next.

> The facility has requested a permit to construct a lead-acid battery recycling plant. proposed facility will have the capacity to produce approximately 17 tons per hour of lead ingots, which are basically blocks of lead; 2 tons per hour or polypropylene pellets; and 5 tons per hour of sodium sulfate from recycled car batteries and marine batteries. These products will be reused by Johnson Controls or resold.

The draft permit contains federal and state In this case the standards are for a secondary lead smelting process, which is what the facility will use to separate lead from other material. The draft permit also limits the facility's emissions so major source construction permitting is not triggered. The federally

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enforceable permit will require the operation of controlled devices at all times when the plant is operating.

Once the facility completes construction, they will request a Title V operating permit and will have 12 months to submit a complete application. The facility may operate under the construction permit until the Title V operating permit is issued. A 30-day public-review period will precede the issuance of the operating permit.

Next.

The operation of the battery recycling facility does cause air pollutants to be emitted. Industrial operations are allowed to emit air pollution in quantities that meet the state and federal standards. The Bureau of Air Quality reviewed the construction permit application for the amount of pollution emitted by the plant during its operation, and what federal and state regulations will be required to be met at all times during operation.

Let me tell you about these regulations, also called "standards." The United States
Environmental Protection Agency, or EPA, use and regularly reviews available scientific data to set

primary ambient air quality standards for certain

air pollutants that are protective of health,

including the health of sensitive populations such

as asthmatics, children, and the elderly. "Ambient

air quality standards" means the amount of

pollution anyone can breathe. The EPA has also set secondary ambient air quality standards that are

protective of the environment and ecology.

The EPA calls these pollutants "criteria air pollutants" because it regulates them by developing criteria for setting allowable levels based on human health and environmental impacts. These criteria pollutants are particulate matter less than 10 microns in size, particulate matter less than 2.5 microns in size, sulfur dioxide, nitrogen dioxide, carbon monoxide, lead, and ozone.

The EPA has recently revised the standards for lead, making it ten times lower than previous levels. In addition to stricter levels, South Carolina would be required to monitor the ambient lead concentrations from the Johnson Controls facility. This means the ambient lead monitor would be installed and operated and would physically measure the ambient concentrations near the facility. The monitor will be placed where

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there is the highest expected impact from the facility.

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The New Source Performance Standards apply specifically to the lead smelting furnaces. They specify limits for opacity and particulate matter emissions from the smelting furnaces and require testing after construction to prove the emissions from the furnaces can meet the limits.

The National Emission Standards for Hazardous Air Pollutants requires the facility to use control devices and enclosures to control process and fugitive lead emissions from most of the battery recycling processes. There is also a lead limit for specific parts of the process that requires initial testing after construction and then additional testing every two years.

Next.

The EPA has not set ambient air quality standards for air toxics; however, South Carolina has set air quality standards for the air toxics. This standard limits the amount of air toxics pollutions from the facility. South Carolina's air toxic standards are set to protect the health of its residents. An example of an air toxic

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pollutant that will be emitted by this facility is mercury. The amount of mercury the facility would emit is 125 times lower than the standard's limit.

The Nitrogen Oxide Standards requires fuel burning sources to be equipped with low NOX burners capable of achieving a 30 percent reduction in nitrogen oxides emissions.

Next.

There are several methods to determine whether the plant will meet all the health-based standards: computer air dispersion modeling, visual opacity readings, and stack testing, to mention a few.

The facility has to show that it can meet all federal and state ambient air quality standards using the latest EPA-designed air dispersion computer modeling program. Air dispersion modeling uses the facility's maximum predicted emissions and the area's actual weather conditions using five years of data to predict the amount and path of the pollutants as they are emitted from the source and move through the air. The highest amounts of pollutants outside the property's boundaries are compared to the ambient air quality standards. For a facility to receive an air permit, the highest modeled concentrations must be at or below the

standards. The facility has submitted the modeling. The modeling was reviewed by the bureau, and the results show that all criteria pollutants and air toxic pollutants were below the standards.

Visual opacity readings are done by plant personnel and DHEC inspectors on a regular basis while the plant is operating. These readings are visual observations of how much light can be seen through particles formed by the plant and are an indication of how much particle pollution is formed on the plant site. This draft permit requires the facility to limit all emission sources, including dust particles, to 20 percent opacity.

The facility is also required to conduct source performance testing or stack testing for these pollutants: particulate matter, NOX, carbon monoxide, sulfur dioxide, and lead. A stack test shows what and how much is being emitted during the operation of the plant. The stack test actually collects and measures the pollutants coming from the process.

Next.

This facility will have to conduct initial stack tests and periodic stack tests to show that they are meeting the state and federal limits.

Records of the amount of emissions from the facility will have to be kept and sent to DHEC for review. The facility will be required to monitor the performance of the control devices by documenting the pressure change, flow rate, and continuous temperature readings of each device. The pressure drop and temperature ranges will be determined during the required source test.

Additionally, after any permit is issued by our bureau, we conduct unannounced comprehensive inspections for compliance. These inspections are documented regardless of findings. The inspection reports are forwarded to the central office for review and quality assurance. If permit conditions are not being met, the facility may be sent through the enforcement process.

If a citizen has a complaint, which can be anonymous, DHEC regional staff will investigate as soon as possible and document our findings. DHEC staff will notify the facility of the complaint to determine if anything unusual is occurring at the plant. If DHEC staff find that the complaint is a result of a violation of permit conditions, the facility may be sent through the enforcement process. If the citizen complains -- who complains

chooses to leave their name and phone number, the DHEC regional staff will call them back to discuss their findings.

Next.

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The contact information for the local DHEC office is shown above. Thank you.

MS. WHITTLE: Next we'll have Tim Lafond from Johnson Controls.

MR. LAFOND: Good evening. I'm Timothy Lafond, the environmental manager from Johnson Controls. Our primary purpose here tonight is to listen to you and any questions or concerns you have, but we were given the brief opportunity to talk about our company and this project. I will be brief because we want to get you to your -- get to your statements. Can I have the first slide, please?

Johnson Controls is a very large,
multinational, global company. Our three primary
businesses are automotive materials, building
efficiency, and this project related to our power
solutions or battery business. You may not know,
but Johnson Controls is the world's largest
producer of automotive batteries. Some of our
customers are Wal-Mart, Kmart, Pep Boys, AutoZone,
Interstate Batteries, Pep -- I mentioned Pep Boys

## Page 18 -- NAPA, and so we -- we're -- and also Ford, 1 General Motors, Chrysler. And that's the primary 3 nature of our business. Next slide, please. As we -- as we mentioned before, we're going 5 to be locating this facility near the Smurfit 6 facility on Paper Mill Road right down the street 7 from the DuPont facility. Next slide. I want to talk a little bit about battery 9 recycling capacity in the United States, and you'll 10 notice, on the map to the left, the reason why 11 Florence County is where we're looking to locate 12 this facility: Those blue balls represent where 13 there's existing recycling capacity today in the 14 United States for car batteries. So you can see 15 there's nothing in this part of the country. And 16 there's also -- you can see guite a void out in the 17 western part of the United States. 18 It's important to know that Johnson Controls 19 is talking about recycling our customers' 20 batteries. And I'll talk a little bit about the 21 closed-loop system that we -- that we use to 22 collect the batteries when you buy a new one. 23 sure you're familiar with it. 24 But if you look closely at the graph on the 25 top, right corner, you'll see that the recycling

demand in 2006 exceeded the capacity. So you can ask yourself, Where do those batteries go to be recycled? The answer is overseas. And I think James mentioned -- or it hasn't been mentioned, but with the U.S. EPA last year reducing the national ambient air quality standard for lead by 90 percent -- you may have heard that that was done last year -- that has the potential of making many of these blue balls disappear. And Johnson Controls, to effectively service our customers and keep the recycling loop in place, we need to build this new facility.

The -- you may know that battery -- automotive batteries are the most recycled consumer commodity that we have. Over 97 percent of car batteries are recycled in this country currently, which is more than newspapers, glass, aluminum cans. So I'm sure you can see the critical nature of us being able to fill in this gap for our customers.

These batteries will come from this region. We're not in the commercial business of collecting from other -- our competitors, but these batteries will be generated in the Carolinas, in the Southeast United States. Next slide, please.

So let's talk a little bit about the closed

Page 20 loop I mentioned to you, okay? Basically, when you 1 -- your car needs a new car battery, you go to --2 go to -- hopefully, to an Interstate store or -- or 3 a Wal-Mart store, you're required to bring back a spent battery in -- and if you don't, you're 6 charged a deposit. And that keeps that -basically, keeps that battery coming in to the recycling infrastructure. So when that -- when we go to our customers 10 and deliver new batteries, we pick up the spent 11

So when that -- when we go to our customers and deliver new batteries, we pick up the spent product. And then we will bring it to this facility, and we'll convert it back into the raw materials. And then we'll -- we'll bring that material to our manufacturing facilities.

I think on our next slide we show where that -- where those are. We'll talk a little bit about on the next slide what -- what comes out of a car battery. There's basically three major parts of it. The lead, which is never destroyed or never made, is totally recycled. The polypropylene, the black plastic case, is basically chipped, and then we take that plastic and we recycle that -- reuse that in a facility near Oconee County, South Carolina. The lead goes up to Winston-Salem or also to Oconee, South Carolina, where new battery

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components are made. And then the -- the electrolyte in the battery is converted into sodium sulfate, which is used in the drywall industry or -- or in -- in the chemical industry, and it's totally recycled. So basically, car batteries have been recycled for years and years, but those are the main building blocks that come out of -- out of the battery. Next slide.

A little bit about -- very briefly about the recycling center. I know there's some curiosity about, you know, the economic impact in the region. We previously announced that this facility was going to result in about 110/115 million dollars of investment with 250 new jobs, of which 85 percent will be skilled and production workers; we'll also have 15 percent professional positions, which we are looking to hire here locally. Next.

The site, little bit of detail, and I've got a -- I borrowed it outside to take a look at we're -- we're on the other side of the railroad tracks from the Paper Mill Road and approximately one half mile from the Pee Dee River.

Next slide.

And I'll just go back to that slide. We are working with environmental groups and DNR to

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potentially look at habitat set-asides along the Pee Dee and the land that we have no intentions to develop, but there's quite a bit of parcel along the river that we are looking to potentially set aside as a -- as a wildlife refuge.

Next slide.

A little bit about our company. I mentioned our building efficiency group. We are -- we help our customers become LEED certified. "LEED" basically means energy efficient. Recently, our corporate headquarters in Milwaukee was granted the first platinum LEEDS certification of any corporate headquarters. One of the -- some of the things that we'll be looking at, at our facility here in Florence, we'll be looking at geothermal heating and cooling. Instead of using electricity and natural gas, the heat we'll actually -- looking to see if we can't use the ground to help us with that. We'll have green roofs on some of our buildings, a base if the rain comes onto our roofs the rain will be managed there. There's actually growth that comes on top of the roof. We'll have water reuse and recycling. Natural lighting systems, instead of using electrical lights, we'll have -- we'll have light be able to be diffuse

through -- through, you know, glass in -- in the ceilings.

I mentioned earlier, but waste water will be discharged to the City of Florence public-owned treatment works. And we will not discharge any storm water to the Pee Dee River. I want to stress: We'll also not take any water from the Pee Dee River. We're -- our -- our plan from the very beginning -- and we've talked to the environmental folks and to the state, but we have no -- absolutely no storm water will leave this facility. It will be managed on-site through engineered wetlands we're really excited about -- about building. So a little bit -- and as I mentioned earlier, we'll have an on-site waste-water pretreatment plant that'll meet the local requirements before discharge.

Next slide.

A little bit on safety and a little bit about the recycling center. The question comes a little bit of "Okay. How do you treat your employees?" If you treat your employees right -- and -- and we've got a strong health and safety program, it's just -- it's as important as how we react to the community, our neighbors. Johnson Controls leads

## Page 24 1 the battery industry in terms of protecting our 2 employees. One of the keys for OSHA in looking at 3 our employees is: Are they impacted by lead, working at the battery facilities around the 5 country? Ninety-eight percent of our employees are 6 below 25 micrograms per deciliter which is half of 7 the OSHA standard. It's very important to us that we -- that when our employees come inside our facility, they're not impacted by -- by what they 9 10 work with, so I think you can infer that we're --11 we don't want to transfer that to our neighbors. 12 So in -- at the recycling center specifically --13 and you heard James talk a little bit about it --14 all exhaust and in-plant air ventilation systems 15 will be double filtered. We'll go through a bag-16 house system, or a scrubber system, and then go 17 through what's called "a HEPA filter system." 18 Maybe some of you've seen that on a vacuum cleaner. 19 It's a very fine filter. It removes the tiniest 20 amounts of particulate, and it's -- it's basically 21 state of the art. So everything will be double-22 filtered and monitored. 23 All the buildings will be kept under negative 24 pressure. What does that mean? If we open the 25 door to our building, the air comes in. So if you

open the door, you'll feel a rush of air. So when a truck goes into our facility, air will come in. If a truck leaves our facility, air will come in. And all of that air is filtered before it's discharged, and that means even air from the offices. Emissions, as -- as James said, all of our emissions will meet state and federal limitations. We'll have limited environmental impact on our neighbors or the river. And we'll have -- and it stresses, "No on-site disposal of any residues." We're not going to work any processing outside, store anything outside, landfill anything outside, do anything outside. Our safety policy is important to us. We're the industry leader in safety. Our workers -- our -our workers are well-protected. And -- and we will continue that safety excellence in this facility. Next slide.

A little bit about what we've done as Johnson Controls. And I'm not going to go into this great detail here, but I did want to point out that we've had several public meetings. We've had a citizen's advisory group that's met frequently since June. We've had very good collaborative meetings with the environmental folks that are listed here, and I

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Page 26 1 wanted to thank Mayor Stephen Wukela who's moderated those meetings. Thank you, Mr. Mayor, 3 for that. And we continue to have dialog with DHEC and with -- with the environmental community and 5 with all of you. Encourage you to visit our Web site or talk to anyone in our company if you have any questions after tonight. I want to thank you for your patience and look forward to hearing your 9 comments tonight. Thanks again for coming. 10 MS. WHITTLE: Thank you, Tim. So now we're going to 11 hear from the individuals who signed up, and I 12 wanted to say up front: We took these in order as 13 you signed up, so it was first come, first serve. 1.4 And I'll just go straight down that -- you couldn't 15 hear me. Now we're going to call the individuals 16 and first come, first serve. We'll call you as you 17 signed up. So please, if you could come forward 18 when I call your name and you try to limit your 19 comments to about five minutes. We've got somebody 20 kind of watching time over there, so when it gets 21 close, it's -- in the pink will be kind of giving 22 me a sign. But -- and if -- bear with me. 23 I get the names right. Cindi Hudson. 24 MS. WHITTLE: (To the court reporter) Can you 25 get it from this microphone, or do I need to

Page 27 ľ pull this one off? 2 THE COURT REPORTER: It's fine. 3 MS. WHITTLE: This one's fine? Okay. 4 Thank you. I just wanted to make a couple MS. HUDSON: 5 of comments. I am -- the injury here is no 6 reflection of Johnson Controls -- I am an employee 7 at Johnson Controls, and I just want to reassure everyone that this company is very, very 9 conscientious about the safety and health and 10 welfare of their employees. And anything that you could possibly think of that they should think 11 12 about or you have a concern, they will address it 13 and they will resolve it to your satisfaction. 14 It's a great company and it will be a huge asset to 15 this area and the people that live here. Thank 16 you. 17 MS. WHITTLE: Thank you. Lafayette Bailey. 18 MR. BAILEY: Good evening, everyone. My name is 19 Lafayette Bailey. I own property about a mile away 20 from the place where they plan to put this plant. 21 And I have family that lives in the area. And my 22 main concern was -- most of the question has 23 already been answered in that, and that is : What 24 type of harm could come to the people that are 25 living in that area? Like I say, I'm less than a

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          mile away from Stone Container. I have property on
          both side of the road -- I just want to say --
          Paper Mill Road. And I -- that's my main concern:
          I just wanted to know what harm could come to the
          people in that area. And you -- basically y'all
          answered most of the question in that. Thank you.
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     MS. WHITTLE:
                  Lynne Brink -- Lynne Brinkley. Is Lynne
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          Brinkley? Lynne Brinkley? Robert Quick.
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          comment? Cathy Quick.
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     MS. QUICK: Hi. My name's Cathy Quick, and I live on
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          Liberty Chapel Road which is only a couple miles
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          from -- only a couple of miles from where this
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          facility will be built.
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               MS. WHITTLE: (To the court reporter) Can you
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                     (To Ms. Quick) Can you speak into it a
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               little bit more so he can hear you?
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     MS. QUICK: (To Ms. Whittle)
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               Like the gentleman said before, most of our
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          families have lived here for a long time.
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          children, our grandchildren live here, and we're
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          very concerned about what effects all these
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          chemicals will have in the air or in the
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          groundwater. Jobs are nice but not at the cost of
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          our health and the health of our families. Also,
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          I'm not sure about this, but I wonder about whether
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they'll accept batteries from the public because we already have a problem with the metal recycler, running over things in the road, and we don't want batteries all in the highway. One of the questions that had been answered was why this location and not the industrial park.

Also, I noticed in some of the permit paperwork that some of the particulate matter will escape through ventilation. And I know that a lot of companies say that they will do certain things, but once one of these accidents has happened, you cannot take it back. I don't care what kind of fine you pay. Also traffic. If one of these trucks turns over -- I know they're supposed to be enclosed, but once they turnover, they're no longer enclosed, and what will it do to your property or the area around there? Also, I kind of wonder about what the -- all of these -- this facility and the air quality will do to property values in this This is just some of my concerns, and I hope area. everybody else'll think about it and write their comments to DHEC. Thank you.

- MS. WHITTLE: David Hartmann, Jr.
- MR. HARTMANN: Good evening. I hope everyone can hear
- me. My name's David Hartmann; I've been with

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1	Johnson Controls for 10 years. And I just ask that
2	as we go through these proceedings for both
3	DHEC, state agencies, and the public-at-large here
4	that's come out to listen and understand more about
5	this process, that when we talk about this facility
6	and the opportunity it brings, it's not just about
7	bringing jobs to the region, but it's bringing jobs
8	to the region through a company that has
9	demonstrated outstanding social, ethical,
10	professional, and corporate levels of
11	responsibility. I don't say that as an employee of
12	Johnson Controls; I say that as an individual who,
13	through his work, has a very intimate knowledge of
14	the environmental management of our distribution
15	center and also as a father of two young boys, ages
16	two and one. We live on the southeast side of
17	Florence. We play in our parks; we go to our
18	library, and we drink our water straight from the
19	tap. We're very proud of this environment. We're
20	very proud of this area. I'm very proud of what
21	Johnson Controls has brought to this area.
22	I also want to speak in terms of Johnson
23	Controls' mission and what we value. Again, I
24	mentioned I've been with Johnson Controls for
25	10 years, and the driving purpose behind that is
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because Johnson Controls values its employees. We recognize that our employees are members of the community; our families live here; we share the same resources. We share the same economic ups and downs. We hope to bring more economic ups than But within our facilities -- and I've had downs. the pleasure of being at every single one of our U.S. facilities and several of our Mexican operations -- I can say that Johnson Controls has been an outstanding supporter and developer of its people, of its workforce and protecting our employees, not by meeting expectations but exceeding expectations. And that's a responsibility we take very seriously. And I hope that you have an -- or have the ability to learn more about our company and understand why I speak so firmly about that, again, not as an employee but as a person who also lives in the same area that we operate in here in the Pee Dee. Thank you.

MS. WHITTLE: Dan Felker.

MR. FELKER: Good evening. My name is Dan Felker. I'm the president of Green Environment Energy Solutions. And I would like to thank DHEC for having this hearing tonight and also Johnson Controls for having a presence here and everyone in

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Page 32 1 the community that has an interest, pro or con, for -- for this expansion. I can say from -- from my 3 background -- I've -- I've come from electrical distribution and conservation, and I work with many companies to help them reduce carbon footprint by cutting energy demand and looking at better ways to use our natural resources -- and I can say that Johnson Controls has a tremendous reputation for being a leader in the communities that they're in. 10 They have a tremendous reputation for their 11 products across a wide range of applications. 12 I think it would be a great add to our community to 13 have a -- a -- an expansion of Johnson Controls in 14 the Florence and the Pee Dee area. Thank you. 15 MS. WHITTLE: Joanne -- Joanne Ross. Mike King. 16 MR. KING: I'm Mike King. I represent a little group on 17 the river called the "Great Pee Dee River 18 Watchers," concerned about the river and 19 environment. How many of you here tonight are not 20 with Johnson Controls or associated interests that 21 are interested in the environment of the river? 22 Could I see a show of hands? Would you please see 23 me after the meeting? I have more information for 24 you, please. For those who have not heard, this 25 industry, before it's treated, will put out 22 tons

of volatile organic compounds: carbon monoxide, 96 tons per year; sulfur dioxide, 38 tons per year; nitrogen oxide, 97 tons per year; hazardous air pollutants, there's a question mark there, 11 tons per year; lead, 6 tons per year; mercury, the company originally said 70 pounds, now it's down to 12; arsenic, that's a question mark there, how much arsenic; particulate matter, another question mark. This process will smelt 33,000 pounds of lead ingots an hour. That's astounding. And these questions are redundant to DHEC and Johnson Controls and I -- I honestly don't mean to vilify you fellows; you're -- you're a fine company. I know you are; I use your product.

I really take umbrage in the people who guided you to this site. That's what I'm disturbed about: our local representatives. If you don't need the water from the river and you aren't going to discharge into the river, why are you putting it on the river for all these contaminants to waft into the air, treated or not? And Johnson Controls and DHEC, I have one more redundant question for you about locating on the river when there're hundreds of square miles of — of land in South Carolina away from the river where these contaminants could

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Page 34
          not be within, you say, a half a mile/2500 feet of
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          our Great Pee Dee River? Another redundant
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          question is: Johnson Controls, DHEC, have you
          taken complete leave of your senses in putting this
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          on the river?
     MS. WHITTLE: Ben Gregg. Ben here? John Ramsburgh.
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                     Thank you, Nancy. I'd like to thank
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     MR. RAMSBURGH:
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          DHEC, also Florence-Darlington Technical College
          for hosting us here. I want to thank the folks at
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          Johnson Controls who, in sharp distinction to some
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          of the other permitting processes I've been a part
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          of, really reached out to me and other people in
          the conservation community to educate us about what
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          they're doing. I think that's been a good faith
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          effort and, you know, I'm not just a
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          conservationist, I'm a -- a resident of Darlington
          County. I care about public health in this area,
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          and I also care about economic development, and I
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          know that that's a serious priority for the people
          of Pamplico and Kingsburg, of -- of Florence County
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          and of the entire Pee Dee region, though I would
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          like to second, I thought, your very important
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          comment, ma'am, that, you know, jobs are important,
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          but more important are the health of our children.
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               I'm really out of my depth, as I said earlier,
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with respect to the permit application. started looking at it. But I do want to make the following comments. The -- the smelter meets the numerical standard for lead emissions in the federal regulations, but from what I've heard and -- and had confirmed, they're not as stringent as some existing secondary lead smelters. So while I'm pleased to see the bag-house and -- and -- and HEPA controls, I would like to see a deeper examination of the feasibility of a wet, electrostatic precipitator and also further assurances that this equipment used to return particulate matter from the bag-house to the process quipment -- process equipment is a closed system. You know, Florence County and a number of regions in our state are at risk for falling out of compliance for ozone on Clean Air Act. And if that happens, we go into, like, a probationary period.

And if we fail to redress ozone, federal funding for economic development, for roads, for highways ceases as does, therefore, future economic development. So I hope that they -- they look at that, and also we have to consider that some of this technology is in use elsewhere and therefore will become part of the new rule-making process

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under the EPA. And as we saw with the coal plant, trying to permit a plant while the -- the feds are re-evaluating the regulations is a real good way to end up with a lot of confusing back-and-forth in the public eye and also with legal challenges. So I'm hoping we can avoid that by going as swiftly as possible to the strongest environmental control technology.

And, on that note, DHEC has made some backed determinations but has excluded others on the basis that this facility does not qualify as a major emitter. But for people in -- in the region, the distinction between a major and a minor emitter, especially with respect to public health in the community, is semantic at best. Indeed, examining the nitrate that goes into the smelting process may raise questions about the minor-source classification. And we've seen in North Carolina the fight taking place now over a coal plant that had been classified as a major emitter, and then -thanks to the governor's pen, suddenly became a minor emitter. And so I'm -- I want to caution DHEC and -- and all of us here that we think less about whether it's a major or minor emitter, but what it's actually emitting and what those

emissions may mean for the public health in the community.

And then next, I appreciate that it's not possible to run the facility during -- with the pollution controls down. If there's a malfunction or an accident, but I hope that the air permit actually requires that shutdown. And I was pleased to hear the comments tonight addressing that. think that's in the right direction. And then finally, a -- Standard 8 of the South Carolina regulations which we were addressing earlier during the Q and A, requires the potential emissions of air toxins must be evaluated before a new source permit can be granted. And the state has evalued [sic] some of these contacts -- compounds but there're a host of others that include chloroform and beryllium and formaldehyde and nickel. And the only reason I know these are bad is because the last time I took a science class, which was in 11th grade in high school, we had to wear protective clothing when we were around those compounds. again, DHEC, having come under public pressure recently for some of the permits that it's granted and looking at the particular challenges that this region faces with already high emission levels, I

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Page 38 hope goes, sort of, above and beyond what the -what the permits require. Thank you very much. 3 MS. WHITTLE: Nancy Cave. MS. CAVE: Good evening and thank you, DHEC. My name is 5 I am with the Coastal Conservation Nancy Cave. 6 The Environmental Protection Agency has 7 determined that Johnson Controls will have to have a Resource Conservation and Recovery Act Part B 9 Permitting Determination. And they've done this 10 because the proposed facility will reclaim lead-11 acid batteries, and the batteries will then be 12 stored before regeneration. This RCRA permit will 13 likely take 9 to 12 months, and the good news is --14 for the public is there will be chance for us to 15 again express our feelings about this plant and to 16 ask questions; so that will be good for all of us. 17 But because this permit -- this RCRA permit 18 will take 9 to 12 months, there's no reason to 19 expedite this air permit. And I am asking DHEC to 20 make no final decisions on the air permit until 21 this RCRA permit is complete. And so that the 22 community, along with DHEC, can understand the full 23 impacts of this plant on the public health -- our 24 public health, on the water, the air, and the land. 25 We do not have to rush this, and we need to make

sure that what is being done is the best thing for this community, is the best thing for this state, so I would ask that you not make any decisions until the RCRA permit is finalized. Thank you.

MS. WHITTLE: Peggy -- Peggy Brown.

MS. BROWN: My name is Peggy Brown. I'm with the League of Women Voters and also with Sierra Club of South Carolina. I'd like to thank DHEC for this public comment period, and also I'd like to thank Johnson Controls for wanting to locate in the Florence area. However, the EPA's currently in the process of revising the air quality standards for the nation and — to go to stricter requirements for air emissions, and it may be wise for DHEC to delay the permitting process until the new regulations have been finalized. That way we could avoid some of the back-and-forth that we experienced not too long ago with the coal permit application.

In the original draft air permit, the emercury -- mercury emission limits read "72 pounds a year." Through a revision of the application with Johnson Controls, the 72 pounds were reduced to 12 pounds of annual mercury emissions. However, even Johnson Controls feels like they can do better than that and are saying that their mercury emissions will be

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Page 40 four to six pounds a year. I think that this is a 2 satisfactory window. We'd like to see zero but 3 from 72 to 12, to 4 to 6, I mean, that shows an effort. With permitting to allow 400 pounds of 5 arsenic emissions into the -- into the air annually 6 and Johnson Controls stating that they probably 7 will emit 26, I think that that window is way too Some of the lead emissions -- with the lead emissions, why permit any company to emit 7 tons of 9 10 lead or have the potential to do that when they're 11 saying that they can make do or their maximum amount be around 450 pounds? I think that we need 12 to ask DHEC to have that permit to -- to show more 13 14 towards the actual instead of these large numbers 15 that they don't need. 16 Johnson Controls is going to be able to avoid having to install the best available control 17 18 technology which restricts facility emissions of 19 particulate matter and CO and SO just below 100 town -- just below the 100-ton threshold and 20 21 that's at 96 tons for CO and 97.5 for NO.

I mean, I don't feel comfortable with those numbers. It -- it's too close for comfort. I

would like to see that DHEC slow down on granting

that that's a little bit close for this facility.

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the air permit until the RCRA and the hazardous waste issues are cleared. I have concern for the residents who live close to the facility. I've voiced that with Johnson Controls. I've worried about the well water. We've got residents there who have well water. Who's going to test their water? Florence County needs jobs. I'd like to see if we couldn't try to get this permitting right from the get-go. Thank you.

MS. WHITTLE: Hampton Shuping. I hope I pronounced that right.

MR SHUPING: (To Ms. Whittle) You did better than most.

MR. SHUPING: My name is Hampton Shuping, S-h-u-p-i-n-g.

I live in Conway and appreciate the opportunity to speak tonight. And I want to thank Johnson Controls for considering our area and coming here and -- and wanting to be environmentally responsible. No doubt in my mind, they're an excellent company. In my previous life I did a lot of instruction. One of those was in management. And one of the things I always warned about was folks saying "Yes, but," so I -- but I only have one "yes, but" for you tonight. And I'm going to

limit my comments to mercury. I'm a -- I live in

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Page 42
          Conway; I live near the swamp, and I'm a fisherman.
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          And my son's fisherman; my grandchildren will be,
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          and mercury is a serious problem in our water.
          Mercury in the air equals mercury in the fish.
                                                            Ιf
          I -- if you don't know that process, it -- it comes
          from air deposition. Local air deposition is a
          reality.
                   It's not coming from China; it's not
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          coming from other places; the majority are coming
          from local deposition, and I'll talk -- be glad to
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          talk to anybody about a local case right upstream
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          in the Waccamaw River that it was documented by a
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          mercury-testing facility. Somebody mentioned one
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          of our -- the other area coming up. What I was
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          glad to hear tonight was that there is available
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          technology to remove all mercury; I believe I heard
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                 There is technology available. I'm saddened
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          to hear that that technology is being -- is
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          considered too expensive to use, that our health
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          has become part of an economic equation. So I ask
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                 I ask Johnson Controls and South Carolina
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          DHEC to reconsider that option and to place zero
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          mercury controls on this facility. Thank you very
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          much.
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     MS. WHITTLE:
                   Rebecca Carr.
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     MS. CARR:
                My name's Rebecca Carr; I live in Effingham.
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I'm a member of Sierra Club and the League of Women Voters, but I'm speaking for myself. I support recycling. I support jobs coming to the area. I'm impressed with Johnson Controls' presentation on their environmental responsibility, but I'm concerned that the limits they have requested for many of the pollutants are much higher than what they say they will — they expect to emit. I think these figures are too high. I'm also concerned that they're not planning to use the best available technology. It's a new plant; make the investment to do it right, now.

methodology. I took 24 hours of college chemistry and the term "grains of lead per cubic foot" has no meaning for me whatsoever. I think DHEC should use metric measurements to report just like the rest of the scientific community does. I think the 100-ton per year limit on the pollutants, shown on page 7 of the permit, those numbers just seem completely arbitrary to me. It just seems like a nice round number. It doesn't seem like it can possibly be science-based. I would also ask DHEC to wait for the RCRA permit to be completed and to wait for the revised EPA — or limits to come out so that this

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Page 44
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          process doesn't have to be revisited all over again
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                               Thank you.
          once it's approved.
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                   That was all the ones that had signed up.
     MS. WHITTLE:
          Is there anyone else here who would like to speak?
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          If -- if so, please come forward. Anybody else?
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     MR. WILLIS: Good evening. I'm Glynn Willis. I'm here
          to speak as a private citizen, but I -- I also want
          to share with you over the last 13 years, I've
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          served on both Florence County Planning Commission
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          and Florence City Planning Commission. And during
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          those years, I've realized and understand that the
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          citizens throughout Florence County and -- and the
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          City of Florence appreciate and support economic
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          development and development. But in that process
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          they want to be -- they want to -- for us, in
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          government, to insure that their quality of life is
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          not impacted five years down the road, ten years
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          down the road and that environmental issues are --
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          are addressed as we move forward.
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          understanding that, I've tried to make decisions
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          based upon, not only the importance of jobs to
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          Florence County, but the environmental impact and
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          quality of life issues. And -- and I found in
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          those 13 years in most instantceces -- in most
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          instances if it's addressed properly, it can be a
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happy balance. And we can -- we can achieve both.

Some months ago I was asked to serve on the Johnson Controls' citizens advisory committee. And I was very happy to agree to do so. In -- in one of our first meetings -- I believe it was our first meeting, I was asked and others were asked, "Well, why are you here?"

And I said, "For two reasons: Number one, I'm excited about the economic development opportunities and to bring jobs to people in the City of Florence, Florence County, and the Pee Dee area. But equally as important, I don't understand the details that -- that would be required to operate a plant of this nature, but I want to be directly involved, so I can understand the issues that will impact the county, the community, and the Pee Dee." And I will say this: I have been very impressed how Johnson Controls has reached out to the community, has reached out to the citizens' advisory committee, and I want to assure you I'm there to try to do what's right, to be a part of the process to bring answers and solutions when questions come up to the community. And I am impressed with the leadership in this company. They -- I think they're first class and from what

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Page 46 1 I've seen, they're dedicated to try to make a difference and to do what's right. And I just want 3 to say I look forward to continuing to work with Johnson Controls on that citizens advisory 5 committee to keep the community informed, and I'm 6 excited about the opportunities that -- that --7 that are here tonight. Thank you. 8 MS. WHITTLE: Any -- any other comments? (To Mr. 9 Vandenberg) Don't forget to state your name. 10 MR. VANDENBERG: My name's Steve Vandenberg. I, too, am 11 a citizen of this community. My family lives here. 12 My kids work here. I work here. But I wanted also 13 to wait until the end, so I didn't get called up 14 too soon because I, too, like -- like Glynn, was 15 asked to be a member of the citizens' advisory 16 committee. And I, too, would also welcome your 17 comments, anything that you might want to -- to 18 have addressed within the citizens' advisory 19 committee to Johnson Controls, to DHEC, to whomever 20 is necessary to insure that they are meeting the 21 compliant processes that they've already laid out 22 and that we all fully expect them to adhere to. 23 worked with Johnson Controls many, many years, not 24 necessarily in South Carolina, but in Michigan 25 where I'm from. And I can absolutely tell you that

Johnson Controls, as a company, goes above and beyond the efforts necessary to insure compliance with safety, with health, with community regulations, with state regulations, with the regulations that are put before them. They do whatever is necessary without regard to cost. They make sure they maintain their facilities at a topnotch level. I do welcome any comments, any questions, whatever. I'll be in the back, as well, afterwards if — if anyone wants to address anything with me, I'd be more than happy to do so. Thank you.

- MS. WHITTLE: Yes, ma'am. Will you come forward? State your name.
  - MS. STRAUSS: My name is Linda Strauss. And I'm president and CEO of -- of Coast to Coast Environmental Solutions in Florence. I live in Florence, been here 32 years. And every once in a while, you'll see me on a kayak on the Pee Dee River taking water samples because I live here, and my sons live here, and someday I hope to have grandchildren, so I test the water, the soil, and the air at my own cost. And I have resources to do that. And I'm offering my services to any of the people here in Florence as citizens and to Johnson

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Page 48
          Control [sic]. I do specialized compliance for
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          EPA, DHEC; I did -- I've done spills for other
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          companies. And I have trained HAZMAT teams, and I
          provide all kind of equipment, air equipment,
          breathing equipment for employees or just citizens,
          so I'm going to keep a eye on you guys. And I'm
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          looking forward to working with everyone in helping
          to keep our environment clean because that's my
          sole purpose. And if anybody would like to contact
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          me, I'm across from Time-Warner Cable in Florence,
          and my cards are here, and I'll leave some if y'all
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          would like to contact me to do testing or anything
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          in that nature. Thank you. And thank you, DHEC.
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                   Any final comments? Anybody else want to
     MS. WHITTLE:
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          comment?
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     MS. CARR: May I just add that I'm worried -- (To Ms.
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          Whittle) Do you want me to come up?
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     MS. WHITTLE: Well, if you can do it real quick and you
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          -- since you've already spoken but if you need to
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          add something real quick. You need to speak in
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          here, though, so he can -- and state your name
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          again please.
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                Rebecca Carr. I just wanted to add that one
     MS. CARR:
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          of my biggest concerns is the heavy metals. And I
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          think as -- as one other gentleman mentioned, if
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they do get into the air, they're going to get into the water too. So -- and the last thing we need is more mercury in our streams. Thank you.

MS. WHITTLE: One final call. Looks like I think we've had all the comments then. I -- I have just a little bit more that I need to let you know about before we close this formal hearing.

First, on behalf of DHEC, I would like to thank everyone for your comments. The comment portion of this public hearing is now concluded. Again, we will take written comments as well. Before we adjourn this hearing, I would like to explain the process DHEC will follow in making a decision on the draft permit.

Following this public hearing and formal comment period, D-hill -- DHEC will make a decision to -- as to whether the draft permit should be approved, approved with conditions, disapproved, or modified. This decision will be based upon the review and consideration of the applicable state and federal air quality regulations, the review of comments made at this hearing in the form of a transcript, the review of all other comments received within the required time frame, and the consideration of any other pertinent information.

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## Page 50 1 As stated earlier tonight, written comments may be submitted through close of business on 3 September 29th, 2009. All written comments received on or before this date will be considered as part of the decision-making process. 6 DHEC and the Environmental Protection Agency have determined that the proposed Johnson Controls facility will require a Resource Conservation and Recovery Act, or RCRA, storage permit. A RCRA 10 permit outlines what a facility must do to properly 11 handle hazardous waste. The RCRA permit involves 12 at least two opportunities for the public to 13 participate throughout the process. If you want to 14 be notified about any future meetings or hearings, 15 please indicate so in the hearing sign-in sheet and 16 mention to you, if you haven't signed in, please do 17 so if you want to hear about these hearings or get 18 other correspondence from us. If you have any 19 questions or concerns about the RCRA permit 20 process, please contact DHEC's RCRA staff person, 21 Rodney Wingard. Rodney is here tonight. 22 Rodney, so they can see you. His number is 23 803-896-4249. That number, again, is 803-896-4249. 24 A copy of then notice-of-appeal procedures is 25 included in your hearing folder. These are the

procedures that must be followed if a final review, otherwise known as an appeal, is requested after a permit decision has been made. Any person has the right to request a final review, or appeal, of any permit decision made by DHEC. This request must be made in writing to DHEC's clerk of the board within 15 days after notice of DHEC's decision has been In consideration of this requirement, if you indicated on the hearing sign-in sheet that you wanted to receive any further information about the permit for Johnson Controls or if you have submitted comments either before, during, or after this hearing, you will receive notification of DHEC's decision by standard U.S. mail. However, if you wish to be notified of DHEC's decision by certified mail, please see Karen Lee or Soraya Purvis near the sign-in table. They're in -they'll be in the back -- before you leave. If you choose to make your certified mail request in writing, you're asked to so by the close of comment period on September 29th, 2009.

And finally, I would like to point out that in the back of the folder, there is a publicparticipation feedback survey. We are interested in knowing your thoughts and suggestions on what

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          you liked or didn't like about the hearing tonight
          and the meeting so that we can improve our efforts.
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          And as the community liaison, I encourage you to
          fill that out; we're always looking for suggestions
          on ways to improve these kinds of meetings.
          please take a moment to complete this survey, and
          as you leave -- it's anonymous -- just drop it on
                               Again, on behalf of DHEC I
          the desk out back.
          would like to thank everyone for your attendance
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          and comments this evening. It's now -- looks like
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          8:50/8:51 and this hearing is officially adjourned.
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          No formal -- further formal recording of this
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          hearing will take place. And that concludes the
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          formal hearing.
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                (Whereupon, at 8:51 p.m., the meeting of the
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               above-entitled matter was concluded.)
17
               (*This transcript may contain quoted material.
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               Such material is reproduced as read or quoted
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               by the speaker.)
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         (**Certificate accompanies sealed original only.)
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