RECEIVED Schoul Aillians API - 6 2015 april, 2015 60 Churins Cove Rd WNC AIR OLATELY AGENCY asheville, NC Z2805

as you can see flève in Oshevelle, NC. fon this day and age when global warming in part caused by the burning af Jossil fuels I can not believe that of a facility is allowed to operate as it operates today: burning higher sulfur fuels, not operating high effection emit excessive amounts of CO2 and SQ2 into the environment. The provide CO2 s impact on the gove layer. Ale know 502 and H2O create H2504 (suffuric aced) which deprades been water resources and kills I want the WNC Regional Her Quality Board to revise the Soz and Coz emission limits to reflect the national health-based standards of 61.7 W/hr for each coal-burning unit.

For the health and well being of all living, beatting Manh Jou, aduant Lillians

April 1, 2815 Dear Brit Levin We want safe air. I super for asthma. I moved to Asheville in 1985 atta studying proports from all across the country. Especially because of inversion in Asheville due to topography - it is even now essential that we down up the air in Adheville - NOW so that is healthful for all our residents especially our children and Those many Jollis who suffer from sacpiratory illness, RECEIVED APR - 6 2015 WINC AIR OHALITY ACCENCY WNC AIR QUALITY AGENCY

4/01/15 To: Britt Lovin Dir. Air Quality Board. (Region) Asheville NC 28806 As a resident of Asheville, NC, I amalarmed to learn how high the SO2 levels are, coming from Duke's Asheville (oal-fired 'Power Plant. I have learned the plant's pollution has exceeded healthy Standards appreximately 25% or more days of the year, since 2010. I request the WNC Regional AQA board members change the SO2 emission limit for Asheville's coal-fined plant to match national health-based standards (being 61.7 lb/hr) for each coal borning unit. Thank you-Pisa Maw heiter, MPT RECT **D** (Lisa McWherter, MPT) дару — 6 **2015** 13 Carterbury Rd Asheville NC 28805 WNC AIR QUALITY AGENCY

4/2/15 Britt Lovin, As a resident of WNC I'm very interested in the area's air quality. I imagine your job is very dynamic i demanding, i that you have many tough decisions every day. My request à hope is that you'll take time to ensure that the Duke Energy's Asheville Coal Plant is abiding by EPH standards in regards to SO2 emission limits. From my understanding there are pollution controls that avoit being utilized to their greatest capability which is allowing for alarming levels of pollution going into our air. As you're aware, health, environmental degredation ? Asheville's livelihood will be effected long-term either negatively or positively depending on what we choose to do today. Thank you for your ECEIVED APR - 6 20**15** your time ? listening ear. Take cave MINI AIR OUALITY AGENCY Megan Schooling

Dr. Lewis Patrie 99 Eastmoor Dr. Asheville, NC 28805

april 2, 2015

RECEIVED APR - 6 2015 WNG AIR OHALITY AGENCY

Britt Lovin, Director Oir Quality Board 49 Mt Carmel Kf Asheville, NC 28806

Slac Mr. Lovin, at a former member of the air Quality Board, lam concerned that the emissions from Deke Energy's Coal Plant in ashwille emits sulfar dioxide which at times may be harmful to our citizens. That our community largely lies in a basin among mountains, where are stognation often occurs, makes it especially important that emissions from the plant are minings to the greatest estimpossible This is sopricielly true for the youngest members of our community as infantiand young children are ispecially vubreiable to livels of pollution that do not affect adults to that extent. My wife and for about & move into Sivens Estate with we undustand may be upecially prone to air palition. Then, we have a pirronal need for this Date cost plant to Sence ley Tewar E. Patric, M.O.

4/8/15 Den Mr. Lowin, It has come to my attention that at the Asherille coal plant Duke Energy has not been using The pollution - inhibiting technology that Duke's consumers paid for and I further understand Duke has switched to chaaper, higher - sulfur coal. This is clearly something the WNC Regional Air Quality Agency reeds to stop. I usge your board members to reflect national standards & revise to SOZ emission limit in Asheville 's new air permit. Sincerely, Michele Nichol RECEIVED Michele Nichols 21 Stonebridge Dr Asheville, NC 28805-1462 WNC AIR CHALLEY AGE

Good AIR IS VITAL TO ALL GIFE!

PEAR SIRS/MAJAMS, I'VE READ THAT YOUR ORAFT PERMIT WILL ALLOW SO TIMES THE EPA SAFE LIMIT! THAT'S CRIMINAL! I LIVE IN FAIRVIEW AND I WILL NOT ALLOW MY FAMILY TO BE SUBJECTED TO THIS. SINCERECY BRUCE B. CLARK

RECEIVED APR - 6 2015 WINC AIR OUALITY AGENCY

Sincerely, Garl Solomon 23 Red maple De Weaverville nc 28787

## Eugene D. Rackoff and Maryanne R. Rackoff 45 Tree Top Dr. Arden, NC 28704-3040

(330) 701-5574

April 4, 2015

Britt Lovin, Chair Western North Carolina Air Quality Board 49 Mount Camel Rd. Asheville, NC 28806

RECEIVED APR - 8 2015 WNC AIR QUALITY AGEN

Dear Mr. Lovin:

We are homeowners in Arden, NC and are asking you to cancel the draft permit for the Duke Energy coal plant in Asheville. The protections afforded are woefully inadequate.

Duke Energy's Asheville coal plant has threatened local public health for decades. New evidence demonstrates that the plant's operations have been causing sulfur dioxide (SO2) pollution at levels considered unsafe by the Environmental Protection Agency for the past several years. An air modeling study by Air Resource Specialists shows that concentrations of SO2 in the air are **up to 3.5 times higher than what EPA has determined to be safe**. Pollution from the plant has exceeded these minimum public health standards approximately one out of every three to four days since 2010.

Luckily, there's an easy solution to this problem: Duke Energy can return to running their pollution control equipment at full capacity and can stop burning the high-sulfur coal they've been using in recent years.

But Duke Energy will not do this unless the Board drafts a permit which meets EPA standards which are required by law.

Sincerely,

Eugene D. Rackoff

and

Maryanne R. Rackoff

N

Tom Doebber 112 Twin Courts Dr. Weaverville, Ne 28787 April 1, 2015

Birt Lovin,

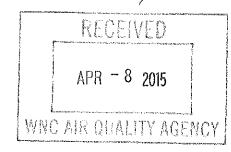
WHE ARE DUALITY AGEN.

My wife and I live just north of asepeville and more importantly our grand daughter, ages, our daughter and son in low live a few blocks from the Long Shoals coal-fired power plant. The increased So 2 emitted by this Dupe prover plant, so times the EPA upper limit for son emmissions, is appalling and Wegal and morally unconsciousable. This is harming to health of all residents in NNC, but especially the Children who one to live here many years. The WAIC Regional air Quality agency board needs to enforce The reduction of SO2 release to less then 61.7 lb/hr for each coal-burning limit. This is the only night direction to go. Sincerely, RECEIVED Tom Doebber APR ~ 8 2015

PAR ENDRY 3A Golf Ave Asherille UZ 28P01

TO Briff Lan -To have the responsibility to post the all I break and the ast that the children, The eldery and intim breake in our the Please act to restrict Puke Energy's Area. fitter disside emissions de belan the State minimum health studend. Think you

al Endy



41.1/2015

Dear Mr. Lovin A five at 1975 NC Hwy 9 in Black Mountain & have been made aware that the concentrations of Sulfur dixoide are 80 times higher than EPA allows! !! This area deserves clean ais!! This terribly dangerous and pellution must stop!! I am requesting that you do your part to protect our and, Sincerely, Jan Diefenbach



Courtiend White 19 Cedar Summit Re Asheville NC 2 5803 6-1 pril 1, 2015

Buill Lovin An Quater Board

Dear Si I believe the drop permit be Dates Pover Plant is unacceptable. Allows in adequal control of SO2 - Smog; Acid Rain, Asthing ... The line shall be no hyper the 61.7 16/h for each coal - braning int Turnon Those Southers!

Courtant htit

RECEIVED APR - 8 2015 WNC AIR QUALITY AGENCY

RECEIVED04 01/2015 Dear Sir, My nure is Dariel Short, I am a resident of Asheville, NC. I hope that you take this opportunity to protect this beautiful part of the country. This place is special. It is actually sad that it is so special because it is one of only a few places in the Eastern United States to still have views of boundless forestel mountains, Fresh air, clean water. Please do your part to help protect this last refuge of the natural Earth. Please vote for the standard of 61.7/hr to 0.029 bi/MBbto. Respectfolly, Diffth

Britt Lovin,

Please stop the dangerous air pollution from Duke Energy's Ashewille Coal Plant. 1 2m On Asheville resident and live here because of the quality of life, Community, and environment. That is why I core. We need clean zir. Our community deserves it. Please do not allow Duke Energy to release Sulfur dioxide Dir pollotion that is HIGHER than the EPA's standard. Sincerely, RECEIVED Kate Bray APR - 8 2015 WNC AIR QUALITY AGENCY

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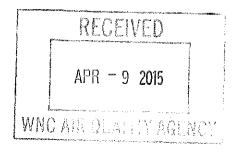
april 1, 2015

Wanth Sour & an Gual Board fam real concined about the report that our ais i asheville is nearly gotemes higher in sulfur difude released than E Pa Mommenda. Please do everything grean to protect our coorderful - tor neson Ogmaile (om 265 plarondi asheville M (2880)

RECEIVED APR - 9 2015 WMC AIR QUALITY AGENCY

4-01-15 Dear Britt Loven, Alie in asterille schucies is My name to Journe Lagar -One of the pretties places in the parth cast. I am concerned about the farmful su fur drovede pollution levels that are being emitted by Durke energy's Coal Pland. This is dangerous, especially for the many people who have asthma. Please wise the SO2 encours limits to reflect the national heather based standards G1.7/how It each coal furning wait equating to a plant wide average 502 aminion amity 0, 029 16/MMBTU We need & deserve clean air. Kelp us!

Journe H. Layer 25 Halmia Dr. Jas ashevelle, Mr. 28804 Thale lazar Dbellsouth. net



4/1/15

To our Insted Servents, Please voe your best judgement to protect us, residents of ashevele are . Now is an opportunity to lower or eleminate sulphin dioxide Emissions.

Thank you for your concern for our health.

Ung mi Grunt .

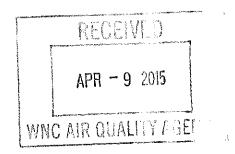
RECEIVED AIR QUALITY AGENCY

1

Britt Lovin Ornector of the Air Quality Boond \$9 Mount Carmel Rd Asheville, NC 28806 4/1/15 F1; I live here in Asheville. I understand that Decke Energy has been allowed to emit more SO2 than allowed by EPA standards. I strangly encourage you to approve a permit that adheres to the EPA standard limit of 0.02916/MMBte. We have been charge for the cir Cleaning equipment installed at the plant but it must be used 24/2. I thank you for your time. Please help clean the air in Asheville

Thanks

Marc Partian 17 Warwick Place Ashevilla, NC



Marty Steinberg V Veaverville, NC 28787 RECEIVED APR - 9 2015 Britt Lovin WNC AIR QUALITY SELS. Observe: Alr Quality Board 49 Mt, Carmel Rd, Ashenille NC 28806 Dear Mr. Lovin, New evidence shows that Duke Energ's Asheville coal plant has been emisting harmfil sulfer diowide pollution at Levels considered unsafe by the EPA. Air Quality Agency has released a draft permit that would allow Duke to release sulfur dioxide air pollution at levels nearly sotimes higher than the EPA's public health standard. That is unhealthy and unacceptable! I have suffered from asthma and I need poblec the clean all. I ask the WNC Restonal Air Quality Ageng Board menders to cerise the SO2 emission limit included in the Asheville coal plant's new air permit to reflect national health-based standards: 61.7 165/Ar fe each coal-burning unit, equating to a plant wide average SO2 emission limit of 0,029 16/MMBtu, Marty Steinberg weaverable, we mart Stend, weaverable, we

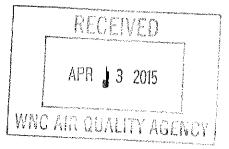
J. Martin ASHEVILLE STEAM ELECTRIC PLANT SUBJECT: TITLE V REPMIT / SOL AIR POLLUTION RECEIVED From! So nia Marcus APR 1 3 2015 61 Swannansa Arenne INGEAIR QUALITY AGENCY Asheville NC 28806 TO: WINC Regional Arr Quality Board 49 Mt Carmel Rd, Asheville NC 28806 Ac April 1, 2015 to whom it may concern: I am a resident of the City of Asherille and I am very concerned about the air emissions from the coal plant that 13 operated by Dike Progress. I would like to know why the AN Quality Agency has released a draft primit that would allow Dike to release Soz at a rate that is 80 times higher than the EPA's standard. Please consider the Impacts of this practice on the residents of this area and revise the Soz emission limit to reflect national health-based standards: 61.7 153/hr for each cal burning unit, equating to a plant wide average limit of 0.029 155/MMBTU. Thank you, Sour Parle Non

RECEIVED 11 Twerton Jane) APR 1 3 2015 Ushevelle, NC 28803 WING AIR QUALITY AG Uprel 1, 2015 Dear Mr. Lovin. My hiesband and I moved to Ashenille in Juney 2013, primarily to enjoy the pristine environment here. It has come to my attention that there are Concentration of So2 which are kigher than the EPA level for safety and that the scrubbers at the Sake Gellian Hower Plant are not functioning at appropriate levels of I want clean air here. I want Consistency. you to revise the 50 emission limit In the Jake Julian plant air permit to reflect national standards: 61.74 hr. for each coal burning unit which well result in an average emission level of 0.02916/MMSTW. the pollution the plant is producing is dangerous to those with respiratory illnesses. The pollution has exceeded health standards one third of the time for five years, Deckes clustomers have paid for pallation Controls and deserve their fullest used for health Sincerely benefits Judy Allant

234 Justice Redge Rd. Candler, MG. 28715 April 1, 2015

Western Morth Carolena air Juality Control Board Mr. Brith Lovin, Director 49. Mound Carmel Rd ashevelle, NG 28806

a-1.



Dear Mr. Lovin,

It is with great concern this letter is written to request the new permit for Duke Power reflect the mational health based standards of 61.7 lb/hr for each coal burning unit. Clean air ~ healthy air ~ is vital to our economy as well as our health. as a lifeling resident of SMC, 9-can hemember when the maintains were covered in anor (70s). The do not want to return to that kind of pollution. As a business member of the community, 9 am sure Duke Energy would want to do everything possible to preserve the health of citizens and the beauty of our mountains.

your thought and consideration of this essue are greatly appreciated.

Gencerily, Mancy Haldrep

4.1.2015

	RECEIVED
	APR 1 3 2015
WW	CAIR QUALITY AGENCY

I am writing you today to inform you of how much I like to breath. Dake Energy's Asheville coal plant has been emitting harmful sulfur diaxide pollution in the air. As an American tote living in America this is unacceptable. If you care about America and out beautiful Western North Carolina you will agree all me that dean air } water is #1. I appreciate you somice to us! Allow # cleartir # Reallife # America

Hello b

april 2, 2015 Britt Lovin Director Air Quality Board H9 Mount Cournel Rd Asheville NC 28806 Deor Mr. Louin, I live in western North Carlena in South Asheville and I value having clean air. But the problem I have is that Duke's power plant is not taking responsibility for protecting our community with the best available technology regarding emissions, especially suffer dioxide. I am opposed to allowing Duke to entit more sulphur deoxide that is higher than EPA's public health standard - and shockingly 80x higher! Please take action to limit these emissions and protect clean air in Asheville. ' Mants your RECEIVED Beth Eckl APR 1 3 2015 Both Eckl 11 Ridge field Place WNC AIR QUALITY AGENCY Asheville NC 28803

Brandon Van Every 3730 Lindenlea 4 Ct. Winston-Salen, NC 27106

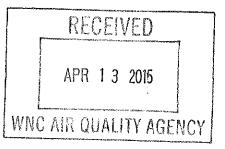
Britt Lovin Dir. of the Air Quality Board 49 Mt. Carmel Rd. Asheville, NC 28806

R	ECEIVED
AF	PR <b>1 3 2015</b>
WNC AIR	QUALITY AGENCY

Mr. Lovia, I have resided seasonally in Asheville for 6 Summers and falls now, I recently be came aware that Duke Energy seeks a draft permit that will allow them to emit sulfar dioxide from their coal plant, at a rate 80 times higher than the EPAS public health standard. I know from high school chemistry that sulfur dioxide is the preversor to sulfuricacid when bubbled through water. This is Foolishness Please do not allow it. Phase require the EPA Standards to be followed

Thanks, Brandon J. Mon Ey

courd owin, Chain Air quality Board of WNC Philip J. Bisesi, PE Affiliated Consultants, Engineers AVL HC 28 806 15 Hi View Dr. Black Mountain, NC 28711 Disty air including porticles, existion, gone, acids and VOCO contribute to Cancer. Stopit. I'll live to low or die hiking unless youkill me finst.



Ducinty yours Phil Broaso

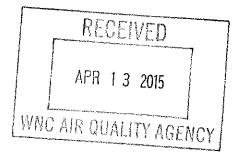
1 lippel 2015

Britt Lovin Chair of the leir Quality Board 49 Mont Carmel Rd ashevill, NE 25806

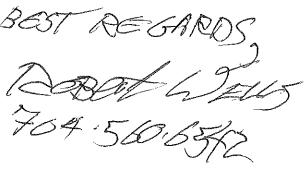
Dear Mr. Lovin, as a retired health resources individual I am very concerned about the emissions fin the Dubu Entry plant. Please consider the importance M regulating and even cloning the plant dry applying the most nigorous and quality standards. at Quality agency has released a draft pumit that would allow only to release doubt so times higher than the EPA standards.

I ask the wave Regional an Quality Brand members to revise the son limit included in the arheville coal dourning unit.

> Thank gon for your consideration And M Receale, HAD 4 Theorem Tal Arhentle, NO 28800



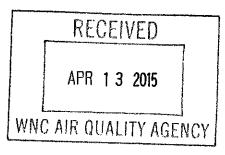
ROBERT WELLS 51 CRAFTSMAN ASHEVILLE, NE To: BRITT LOUIN 28855 Pout Live france Here in bosering FORCE DURE EDERGY TO DO WRAT THEY STROULD, 1 LOSE THE DRITEST COAL PLANT THEY OWN. TO START FORCE, THE ABIDE BY THE AVERAGE EMISSION LIMIT OF 0.029 LE/MMBTA





Wear Britt Louin, O'm aware that Dube Energy is emitting BO times the safe limet of Soz as determined My EPA. V.am also aware that Diehe can reduce the amount of Son emision had They are unwelling to do so for cast reasons. Their profits are more emportant than The health of asherelle resident. The Western Regional Cur Quality agong needs to protect the atimens of ashuille by stablishing slandards ty way of permit. Please represend us, har fellow eitigen rather than Duke Profits

Thank you, STEVE MILLEN 419 UPPER GRASSY BR FO ASHOULLE, NC 2005



4/18/2015 Dear Mr. Lovin, Jam writing to you regarding zir quality in WR, and particularly in the Asheville area. I ask that the UNC Regional Air Quality Agency Board revise the sulfar dio Xide emission limit in the Ashoville cost plant's New Dir permit.

It appears that in some recent cases Duke has been using its pollution protection fechnolosy less frequently and that Duke has switched to chespor, high-sulfar cool. This is being done most likely in order to reduce costs for the company, to increase its profits. As a consumer, I am paying Duke to put into use its air pollution controls at the Asheville cost plant. I and other consumers deserve the health benedits of better ar quality. The pollution controls should be run to their fallest extent.

Therefore, I am requesting that you and

the board set the sulfur dioxide emission limit at a point which reflects netional health-based standards. 66-77 16 per hour for each cost- burning unit. This equates to 2 plant - wide Everage sul fur dio Xide emission limit ot 0.029 16/MM 6+4. Thank you for your consideration of this very serious matter. The current and future health of residents in western North Carolina depend heavily on your decision RECEIVED Most Sincerely; APR 22 2015 WNC AIR QUALITY AGENCY P.S. I wrge you to contract me m writing about the outcome of this decision process. Dianne Clinton 104 Parkway Ct. Asheville, NC 28803

21 Wesley Dr. Apt. D asheville, NC 28803 april 22, 2015 Mr. Britt Lovin RECEIVED Director, air Guality Board 49 Mount Carmel Rd. APR 2 4 2015 asheville, N.C. 28806 WINC AIR QUALITY AGENCY Deat Mr. Lovin, & an writing to use the WNC Regional air Quality Board Toutring the SO2 remission limit in the beaneville coal plant's new ait permit up to national halthbased standards. This limit of 61.7 lb/ht for each coal - burning unit would reduce air pollection for Buncombe and Henderson County residents, and especially for those of me diving in South asbeville. your agency's recent release à a draft germit allowing Ducke to continue Pollution significantly above the EPA's Public health standard calls into question the agency's commitment to improve our region's air quality. & unge you, as director, to do the job for which you were appointed. Sincerely, Esther B. Pardue

\$1.1 million 303 Crowfields Dr. Aspenill, n. c. 28803 the amount our researchers found that Duke Energy spent to aid Gov. Pat McCrory's election; his Upr: 22,2015 environmental agency tried to Dritt Lown: Nirection of the an Quality Board Two results of Duke Energy providing block stricter regulation of Duke's my power: 1. The price is even higher. 2. The knowledge that most of our envronmental degradation is, now and past, caused by production of this energy. Pat Maring is inpower of our environment, and accomodates Duke repeatedly due to the \$1.1 million they provids poshis campaign. a long as Pat is governor, Date figures it canged by with anything, charging expenses to the people " think " coming. The people are becoming may and may knowledgable and activated. Watch out Duker RECEIVED Janen. Whit APR 24 2015 WNC AIR QUALITY AGENCY

28 people's

## April 24, 2015

## SENT VIA U.S MAIL & EMAIL (betsy.brown@buncombecounty.org)

Betsy Brown, Air Quality Supervisor WNC Regional Air Quality Agency 49 Mt. Carmel Rd. Asheville, NC 28806 RECEIVED APR 2.8 2015 WMC AIR QUALITY AGENCY

Dear Supervisor Brown:

We are homeowners in the Ballantree neighborhood in South Asheville, approximately four miles north of the coal-fired Duke Energy plant in Arden. The pollution from the Duke plant, particularly of sulfur dioxide (SO2), and the storage of coal ash at the plant, is of major concern to us. We are worried about our own health, the health of our children, and the health of our neighbors. Our neighborhood has approximately 170 homes, including many families with babies and school-aged children as well as many older adults. Similar residential communities, including Forest Lake and Park Avenue, and Givens Estates, a large retirement community, are also nearby.

A recent expert report commissioned by the Sierra Club (*Analysis of Scrubber Operation Duke Energy – Asheville Power Plant*, Feb. 16, 2015) showed that air models project SO2 emissions of more than three times the EPA limit in the Ballantree neighborhood and surrounding residential areas. These emissions could be particularly dangerous for young children and older adults living in our community.

The current draft permit would allow Duke to continue meeting the same emissions standards that it has for years. Issuing the permit in its current form would jeopardize the health of local residents and completely miss an opportunity to make meaningful progress on local air quality standards.

We ask that the WNC Regional Air Quality Agency impose the following two conditions on any renewal permit issued to Duke Energy:

(1) Set a clear, strict numeric emission limit on SO2. A more reasonable limit of 61.7 lb/hr for each coal-burning unit could be achieved through a combination of full implementation of existing

pollution control equipment at the plant and burning cleaner coal.

(2) Require Duke Energy to install air monitoring equipment in the areas shown to be at high risk in the expert report as well as the school complex near the plant.

The February 2015 expert report projects that residential communities could be affected by the downwind pollution from the plant due to SO2 exposure. Duke should be required to install equipment that would monitor average SO2 air levels in the areas highlighted in that model, such as Ballantree, to determine whether emissions limits are being violated on a regular basis.

In addition, Duke should be required to install air monitoring equipment in a convenient location on the school complex off of Long Shoals Road. There are four Buncombe County public schools located across the street from the coal-fired plant: William W. Estes Elementary, C.T. Koontz Intermediate, Valley Springs Middle and T.C. Roberson High. Over 3,000 children attend these schools every day and breathe the emissions and any particulate matter coming from the plant.

Duke should be required to submit these results on a quarterly basis to the WNC Regional Air Quality Agency and allow periodic inspections of the equipment by a neutral third party.

Thank you for the opportunity to submit comments on the draft permit and for your consideration.

Sincerely, Aur 4. Kay

Anne & Vijay Kapoor 8 Braddock Way Asheville, NC 28803

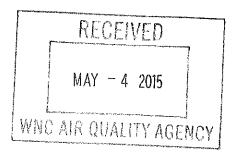
Al & Cathy Nichols 31 Braddock Way Asheville, NC 28803

Dorothy & Matthew Manning 11 Gardenwood Drive Asheville, NC 28803

Alex & Lynn Schneider 35 Ballantree Drive Asheville, NC 28803

Richard Hudspeth, M.D. 8 Elmwood Lane Asheville, NC 28803 25B Füllium Ct. Asheiulle, MC 28805 April 29, 2015

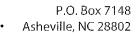
Britt Lauin Deroctor, air Quality Board 49 Mt. Carmel Rd. Ashenille, MC. 28806



Dear Me Louin: It has been brought to my attentian that, in spite of evidence that Duke Energy's asherille doal plant has been emitting extremely high levels of Raumful sulfur diagide, much ligher than level considered safe by EPA, that the dir Quality Doard has released a draft permitting ollowing these high levels of pallution. This is unconscionable I therefore ask the MNC Regional air Quality Board to review the SO2 emission limit in the coal plants new air permit to adher to Mational Health Based Standards.

Sincerely, pype Firkenholz

# **City of Asheville** Office of the Mayor



Office: 828-259-5600 www.ashevillenc.gov



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April 29, 2015

Chairman Britt Lovin WNC Regional Air Quality Board 49 Mount Carmel Road Asheville, NC 28806

### Delivered via email to betsy.brown@buncombecounty.org

Dear Chairman Lovin,

On behalf of the Asheville City Council, I am writing to express concern about the draft Title V air permit recently issued by the Western North Carolina Regional Air Quality Agency (WNCRAQA) for Duke Energy's Asheville Steam Electric Plant. Specifically, Council is concerned that the suggested permit limit for sulfur dioxide (SO2) is insufficient to protect city and county residents from harmful air pollution, and we ask that you strengthen that limit to ensure our residents can breathe healthy air.

As you know, even short-term exposure to SO2 is linked with an array of adverse respiratory effects, including bronchoconstriction and increased asthma symptoms. Elevated concentrations of SO2 in the air leads to more emergency room visits and hospital admissions, particularly for children, the elderly, and people with asthma.

According to a recent report that uses a model approved by the Environmental Protection Agency (EPA) for tracking SO2 pollution, emissions from the Asheville plant have been causing violations of the ambient air quality standard for SO2 established by EPA. Indeed, the report states that the pollution in residential and recreational areas is at concentrations up to 3.5 times higher than levels EPA has determined to be safe. These exceedances have occurred approximately one out of every three to four days since 2010.

I am concerned that the newly released draft air permit maintains the same SO2 emissions limit that the plant has had for years. This limit is nearly 80 times higher than the limit necessary to attain EPA's public health-based SO2 standard, and we believe it is insufficient to protect our community from the impacts of air pollution.

The final Title V permit should contain limits that allow ambient air in the Asheville area to meet EPA's standard. We understand that limit to be no more than 61.7 lb/hr of SO2 for each coal-burning unit, or a plant-wide average of 0.029 lb/MMBtu. We also understand that these

1946 - Lind and Charles Street

"our quality of service, your quality of life"

levels are achievable if the plant's air pollution controls are run at full efficiency, as they were when they were first installed, or if the plant stops using high sulfur content coal.

Part of our job as elected officials is to ensure the safety of our community. There seems to be a clear path to addressing this problem and ensuring healthy air for our residents, and the first step on that path is for the plant's air permit to contain appropriate SO2 limits.

Sincerely,

Am Manheimer

Mayor

To whom it may concern,

According to the EPA, even short-tel WINCER BOBLIAGEN AGENCY sulfur dioxide (SOR) are kneed with an array of adverse respiratory effects, including bronchoconstruction & increased asthma symptoms. Elevated concentrations of SOR in the air leads to more emergency room visits & hospital admissions, particularly for children, the elderly, & people with osthma. New evidence shows that operations at Duke Energy's Asheuille coal plant have been causing SOR pollution at concentrations up to 3.5 times higher than what the EPA has determined to be safe in neighborhoods downwind of the plant.

RECEIVED

MAY - 7 2015

4/14/15

The EPA's National Ambient Air Quality Standards for sulfur dioxide are designed to protect public health, but the draft permit does not ensure that emissions from the Asheville coal plant will not cause exceedances of those standards. In fact, the numeric emission limit for SO<sub>2</sub> included in the draft permit currently proposed by the Western North Carolina Regional Air Quality Agency (WNC RAQA) is nearly 80 times higher than the limit necessary to attain the EPA's health-based air quality standard. This is unacceptable, especially considering that a coal plant without any air pollution controls could easily meet the limits set forth in this permit for sulfur dioxide pollution.

This is woefully inadequate & cannot quarantee the protection of the health & welfare of surrounding communities. I ask that you & your fellow NINC RAQA board members update the draft permit to be in alignment with the levels of SO2 found safe by the EPA & to adopt a numeric emission limit of 61.7 pounds per hour for each coal-burning unit or 0.029 1b/MMBtu for the plant.

Setting a clear, strict numeric emission limit is the only way to protect the surrounding communities

BAY - 7 205

from the harmful SO2 pollution from Duke Energy's Asheville coal plant.

Sincerely, Hannah Wood UNCA Box 8149 2500 University Heights Asheville, NC, 28804 (919) 448 - 4095 hwood 20 unca. edu



# AFFILIATED CONSULTANTS, ENGINEERS

15 HI VIEW DRBLACK MOUNTAIN NC 28711Mobile: 828/280/8194all@aconsultingengineer.comFounded 1974www.aconsultingengineer.com

TO: Air Quality Board Hearing 29 April 15 on SO2 Air Pollution in WNC

LOVE CREATION

I am Phil Bisesi, PE speaking from an integrative viewpoint as a

Science based engineer – member of the Association of Energy Engineers

Ecumenical person of faith - Member of the Creation Care Alliance of WNC

Social Justice Advocate - Member of Physicians for Social Responsibility - registered Independent

I speak for all of Creation

People who can not speak for themselves

The trees and the crops

The Birds and Bees

The fish and the farm animals

The pets, the children, and the elders

### CLEAN AIR AND WATER IS A HUMAN RIGHT GUARANTEED BY THE NC CONSTITUTION

I hope to change attitudes and policies from exploit to LOVE CREATION

The natural world follows everlasting laws. We must learn from nature and be guided by observing all of creation.

The earth receives abundant energy from the SUN. Harvest it; do not fight it.

Nature does not waste. All religions espouse using the gifts of nature wisely and not wasting.

All of us, by loving Creation, can change our lives and improve our health.

The Union of Concerned Scientists reports that the Clean Air Act, the Clean Water act, and resulting policies have a 40 hear proven track record of cutting pollution and preventing about 1 million premature deaths and hundreds of millions of cases of respiratory and other pollution caused disease. These regulations have spurred development. Industries adopted innovative solutions to reduce pollution, improve the economy and generate millions of meaningful US jobs. UCS also reports that global warming results in extreme weather events, threatens health and wellness, and wastes our resources. The human tragedy is unacceptable.

Good science and engineering, guided by a love of nature and society wide total economics and living by basic principles and ethics, not just doing the minimum that the law requires, will improve lives; that's a BIG PAYBACK.

My hope is that all of us will stop dualistic thinking, start reasoning and dialoging to promote holistic thinking. We then will obey the laws of nature, stop polluting and wasting, and get back to effective healthy living; all because we LOVE CREATION.

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Printed 4/29/2015 10:51 AM

MECHANICAL · ELECTRICAL · HVAC · ENERGY · INDUSTRIAL HYGIENE & VENT. · INDOOR AIR QUALITY · NOISE & VIBRATION INTEGRATED DESIGN · PHYSICAL PLANT STUDIES · PERFORMANCE TEST & BALANCE · COMMISSIONING · SYSTEMS OPERATION CERTIFICATIONS: PE - NC #005220 · ASHRAE · US GREEN BUILDING COUNCIL LEED AP · aee CTAB · aee CERTIFIED ENERGY MANAGER

April 29, 2015 Like Energy -2.2 ease lower the SOS limits A standards or lower transitioning lease also consider o a healthier energy production polluting the air that eather and the water like it we drink. the right thing. hank you, Judrey Miller Shape Creek Rd. IC 2880

Per for Quality Board, Society sfore, ball field and 1 spaces. W k also shar air with dagerous faxing hat need to be more spic gulated Alease do shat i by our commonity and the Do Cimps from the DE rergy power plant. Highky

2,21,22 4-29.12 Dear Betsy Brown I have attended the Air Quality public hearing and agree with the majority of the speakers in the room. Our air is important to all citizens and creatures in supporting life and as a citizen of Asheville, I would like Ithough regulations to reduce Salfar dioxide poll-hon. The EPA standard of 61.7 165. per hour Son per generating unit should be applied to the Duke Progress plantinour community. I also thigh that Dike Should past their emission data as a part of increasing make fibre recommendations

to Duke ( Progress to incorporate more renewable ophont their portfolio 12 that enissions 50 ran reduced further Thank Barbara J Ston Asheville, NC 28805

PLOANC A R 6

Cimit Sulfer dioxide enquisions. Spirit of Clear Air Act. Go Richard Nixon ! David Short 179 Chunns Cove Asheville, NC

Our public representatives need to start upresenting the People - their health and safety and stop beering bought off by a corporate monopoly (Suke) which undernices du demonkey, due environment and our pealth to permit. 132 Murdosk Que

22 Do the right thing T.f the state wants to continue to use Duke coal to supply ctricity for our ele communities.... do it correctly - inforce EPA regulations support renewable energry Don't Let Duke Off the Hook

smment. The air Quality Bran profect must air of The WA



To: WNC Regional Air Quality Agency

From: John Diefenbach 1975 NC Hwy 9 Black Mountain, NC 28711

Date: April 29, 2015

Subject: Air Quality Permit (Duke Power) Title V

I am asking you to revise the current draft for the Asheville Coal Plant Title V, air pollution permit to include specific numeric emissions limits for SO2 that reflects Federal Standards. My request of you is to allow a maximum of 61.7 pounds per hour of each coal burning unit, equating to a plant-wide SO2 limit of .029 pounds per 1 million BTU's.

After reviewing the WNC Regional Air Quality Agency's minimum health-based standards dated Nov. 14, 2011, I question your legal authority to supersede and lesser the existing Federal minimum standards, however you do have the legal authority to apply reasonable stricter standards.

There is no apparent reason for the limit to be so high.

April 29, 2015

2,4,13,14

# Public Meeting re Asheville Steam Electric Plant, Title V Permit

I am speaking out tonight concerning the draft air quality permit currently under consideration for Duke Energy's Asheville coal-powered electric plant located at Long Shoals.

I understand that this draft permit will allow the release of sulfur dioxide and other toxic chemicals into the atmosphere at an unprecedented high level, far exceeding the limits established by the federal Environmental Protection Agency as "acceptable" for public safety. In managing the plant so as to reduce expenses, Duke Energy has already been in violation of EPA standards since 2010 and now intends to inflict even more egregious pollution on area residents and the local environment.

I moved back to my native state of North Carolina about a year and a half ago, with the goal of savoring the beauty of Western North Carolina, including its clean air. I live in a LEED Silver Certified "green" home, heated by solar collectors, so I "walk my talk" when it comes to energy conservation and concern for the environment. Duke Energy decision-makers and local air quality enforcers need to show the same kind of concern.

Duke Energy, as a mega-corporation, now wields immense clout in political and governmental arenas. It is completely unacceptable that Duke Energy be allowed to continue its lax practices, already in violation of EPA standards, which result in serious negative health consequences for many of us living in the shadow of its electric plant. It is even less acceptable to contemplate that drastically less, not more, stringent regulations may soon be in place. The role of the Regional Air Quality Agency is to ensure clean air for citizens of Western North Carolina, not bow to the exigencies of big business at the expense of public health.

I urge you at the WNCRAQA Board to re-think their priorities and provide guidelines that oblige Duke Energy to meet EPA health-based standards, by revising the SO2 emission limit to a plant-wide average of 0.029 lb/MMBtu.

Thank you for your consideration.

Anne deBuys 16 Sevan Court Asheville, NC 28806



April 29, 2015

Betsy Brown, Air Quality Supervisor Britt Lovin, Chair WNC Regional Air Quality Agency 49 Mt Carmel Rd Asheville, N.C. 28806

My name is Laura Wenzel. I am with Medical Advocates for Healthy Air, a program of Clean Air Carolina. We oppose the proposed Title V permit for the Duke Energy Progress, Inc. - Asheville Steam Electric Plant located at 200 CP&L Drive in Arden, North Carolina because of sulfur dioxide's effect on North Carolinian's health.

Take a deep breath. It should feel good. The ability to take a deep breath is something so normal that many of us take it for granted. Deep breathing relieves stress, lowers blood pressure and increases energy. It is a gift – one we should do everything possible to protect.

Sulfur dioxide annihilates that freedom to take a deep breath. It makes us choke and wheeze. It tightens our chest. It fills our lungs with fluid. It makes our eyes hurt and our nose and throat and skin burn. In addition to being a noxious gas on its own, sulfur dioxide carries fine particles deep into our lungs, at levels beyond any possible treatment.

Short-term exposures to high levels of sulfur dioxide can kill us. Long-term exposure to persistent levels of sulfur dioxide can destroy our lungs and intensify heart disease, according to the Agency for Toxic Substances and Disease Registry. The EPA cites studies showing that for people with asthma, even low levels can trigger attacks and scrambles to the emergency room, making it impossible to exercise outdoors and enjoy our mountains.

Because sulfur dioxide is so toxic, our government carefully regulates how much is allowed to be emitted into our air. Duke Energy has regularly and severely violated these rules at its Asheville plant over several years. The study of emissions from 2011 through 2013 by Air Resource Specialists

(https://docs.google.com/a/cleanaircarolina.org/file/d/0Bw7481zyeacqT1RUMkdRQzN

PO Box 5311 • Charlotte NC 28299 • www.medicaladvocatesforhealthyair.org • 704.307.9528



<u>NanM/edit</u>) found that this plant broke these rules nearly 75% of the time, polluting the community's air with concentrations of sulfur dioxide at as much as 3 and a half times over the legal limit.

The Air Quality Agency's mission is to safeguard public health and the environment, while preserving the quality of life and economic vitality of the area. The new permit under consideration would allow the limit of sulfur dioxide emissions to be nearly 80 times higher than what is necessary to attain the EPA standard designed to protect our health. It unequivocally fails to protect our health, degrades our quality of life and threatens our long-term economic vitality.

The American Lung Association finds that nearly 20,000 children and adults in Buncombe County already suffer from asthma and have difficulty taking a deep breath. Increased sulfur dioxide emissions could make this number even larger. This not only degrades the quality of life for individuals, it sabotages our economy by increasing absences from school and work.

We must guard against allowing the siren song of a fleeting profit to hijack our heritage of fresh, pure mountain air. As medical and public health professionals, Medical Advocates for Healthy Air urges the agency to revise the current draft Asheville coal plant Title V air pollution permit to limit SO2 emissions to the federal minimum standards 61.7 pounds per hour for each coalburning unit, equating to a plant-wide SO2 limit of .029 pounds per one million British Thermal Units (BTU's) -- the standard necessary to ensure our ability to take a deep breath.

Thank you for your consideration,

Laura Ule

Laura Wenzel Medical Advicates for Healthy AVI

# Duke Energy's Asheville Coal Power Plant must meet health standards

EPA cites studies showing that for people with asthma, even low levels can trigger attacks. "Short-term exposures to high levels of sulfur dioxide can kill us. Long-term exposure to persistent levels of sulfur dioxide can destroy our lungs and intensify heart disease. The

the time, polluting the community's air with concentrations of sulfur dioxide at as much as 3 and a half times over the legal limit. Air Resource Specialists' study of emissions from 2011 through 2013 found that Duke Energy's Asheville coal plant broke the EPA rules on sulfur dioxide emissions nearly 75% of

standard designed to protect our health. It unequivocally fails to protect our health, degrades our quality of life and threatens our long-term economic vitality. consideration would allow the limit of sulfur dioxide emissions from Duke Energy's Asheville coal plant to be nearly 80 times higher than what is necessary to attain the EPA The Air Quality Agency's mission is to safeguard public health and the environment, while preserving the quality of life and economic vitality of the area. The new permit under

I urge the agency to require Duke Energy's Asheville coal plant to limit SO2 emissions to .029 lb/mmBTU, the limit determined to be safe by the EPA."

Mackenzie	Karen	Frank	Jonathan	Jane and John	James	Lisa	Janis		Kim	Libby & Dave	Jennifer	Aaron	William	Fred & Alice	First Name
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<u>macpurser@yahoo.com</u>	kenmosteller@gmail.com	frank.bronander@carolinashealthcare.org	jonathan_kotch@unc.edu	JJ Pasquini@aol.com	jshomecoming@suddenlink.net	lcjohnso@vidanthealth.com	janis_hammett@yahoo.com		kim_gaetz@unc.edu	libbycable13@gmail.com	l jmullendore@hotmail.com	aaron.levy@carolinashealthcare.org	wjblackley@gmail.com	stanbackf@aol.com	Email
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### Testimony, WNC Regional Air Quality Agency, public hearing

April 29, 2015

V 2

I am Mahan Siler, a retired Baptist pastor. Thank you for listening.

My comments are brief and simple. Onc, obvious lest we forget, cleanair is non-negotiable for all that lives, including us humans. It is a gift, not a commodity we can modify or manipulate for short term gain. Our responsibility, your responsibility is to protect it, treasure it, and strive for its purity.

My second comment. I urge you to place this question at the center of your decision-making: who propers from your action? Who benefits? I am eighty, Whatever you decide will not likely have much impact on my life. But I am not here speaking for myself. I am speaking for my grandchildren, for their children and children's children. I am speaking for your grandchildren, their children and children's children. They cannot speak for themselves. I am their voice. You are their voice. Your action must benefit them. Our legacy to them must be clear air, cleaner than we now have, not less.

I urge you to revise the current draft Asheville coal plant Title V pollution permit to include heety emission limit for SO2 that reflects federal minimum standards. Thank you.

### Public Hearing Comments April 29, 2015

Duke Energy has operated their flue gas desulfurization units or "scrubbers" at less than 100% efficiency // for over 4 years (as low as 75%), and that they have been burning higher sulfur coal – both of which have resulted in sulfur dioxide emissions of up to 3.5 times the safe limit set by the EPA. Sulfur dioxide emissions are a major source of health damage, and are the primary source of acid rain and regional haze. Although the WNC Regional Air Quality Agency Board has been apprised of Duke's procedures and their potential health impacts for months, the current draft Title V Permit for Duke Energy does not reflect adequate sulfur dioxide emission limits – limits that would require Duke Energy to operate within the EPA's safe standard for Sulfur Dioxide.

The 2014 Annual Report of the WNC Regional Air Quality Agency states that "the mission of the agency is to monitor and regulate the air quality of the City of Asheville and Buncombe County to **safeguard public health** and the environment, while preserving the quality of life and economic vitality of the area. The Agency is responsible for implementing and enforcing the provisions of the federal Clean Air Act and all additional state and local air quality regulations in Buncombe County."

Given the Agency's mission, the fact that it has the responsibility of implementing and enforcing the provisions of the Federal Clean Air Act, and the fact that it is the authority which regulates the Title V Permits, it is the responsibility of the Agency to safeguard public health and uphold the Clean Air Act regulations by implementing safe sulfur dioxide emissions limits in their Title V Permits - as the cause and effect of the emissions cannot be separated. I am therefore respectfully requesting that the Agency revise the current draft Asheville Coal Plant Title V Air Pollution Permit to include a numeric emission limit for sulfur dioxide that reflects the federal minimum standards and ensures the protection of public health; specifically, a limit of 61.7 pounds for hour for each coal-burning unit, equating to a plant-wide SO2 limit of .029 pounds per one million British Thermal Units (BTU's).

I am requesting the Agency take this action, not only because it is within the Agency's power and mission, but because Duke Energy has already demonstrated that it will not self-regulate to protect public health, and has routinely put profit above the welfare of North Carolinians. The only reasons for Duke Energy to use its current unsafe methods are:

- A. To cut operating costs; and
- B. Because they can under their current Title V Permit.

Let's not allow them to continue to pollute Buncombe County's air – our families deserve clean air! Duke Energy has the equipment to operate within the safe standards – equipment that we've already paid for. I find it hard to believe that they say it costs too much to operate that equipment, as they made a net profit of approximately 1.8 billion last year. As I see it those profits were stolen from the people of NC. We've already paid for the equipment, why should we pay again for the pollution while Duke Energy brings in billions? Doing what is necessary to protect the health and wellbeing of the people of NC while providing their service is the cost of doing business in NC – and if Duke Energy doesn't feel the same way - then they shouldn't be allowed to operate in our state. That is why it is imperative that the Agency set the permit regulations to protect the people.

Respectfully,

aline d'Cemb

Sabrina DiCarlo Asheville Resident

**References:** 

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http://www.duke-energy.com/pdfs/Annual-Report-2014.pdf

Testimony – Richard Fireman, M.D. SO<sub>2</sub> Hearing WNC AIR QUALITY BOARD APRIL 29, 2015

I am a retired physician. I practiced Emergency Medicine for over 30 years, so I have seen the effects of bad air on the health of children and adults. I guarantee that you don't want to experience the terrible air hunger that these people experience when breathing toxic air.

I was born and raised in Pittsburgh when it was known as the Smoky City. In 1946, when I was 3, Mayor David Lawrence said, "I am convinced that our people want clean air. There is no other single thing which will so dramatically improve the appearance, the health, the pride, the spirit of the city." By 1954, Pittsburgh's air was 90 percent cleaner.

Lawrence's vision was that of a committed citizen, like you on the Board, who have volunteered to serve your community and who love this land, this city, and want the best for those living here

I settled in North Carolina because these old mountains felt like home, and want in ensure, as best I can, that they remain beautiful and healthy for those who chose to live here.

I was surprised and dismayed then to read the first draft to the new permit that you have proposed, which had the same values for SO<sub>2</sub> as the prior permit. The amount of SO<sub>2</sub> emissions allowed under the new permit, if passed, will not ensure that ambient air concentrations of SO<sub>2</sub> pollution will meet the EPA health standards of 75ppb established in 2010.

Now I understand that Asheville/Buncombe County area is an area in which the EPA has not issued an official designation because there are no air monitors here, nor official guidelines for air modeling.

But we can't wait till 2022, when the EPA will rule on final state attainment plans.

Let's be clear. You have the authority to write a strong permit, so that when the state and EPA determine how North Carolina will model or monitor SO<sub>2</sub> levels, we will meet the 75ppb 1-hour health standard.

How do I know that you have this authority, because your agency was established by the General Assembly, which gets its authority from the North Carolina Constitution?

# Section 2 reads:

All political power is vested in and derived from the people; all government of right originates from the people, is founded upon their will only, and is instituted solely for the good of the whole.

Please look around you at these people. People who, like the courageous David Lawrence, believe that "...our people want clean air..." You, the Board, have the opportunity to be part of "the government of right".

Your neighbors in this auditorium are telling you exercise your authority and responsibility to write the strongest rule possible, with numeric values for SO2 emissions low enough, so that when air quality modeling or monitors come to Asheville/Buncombe County in 2023, we will be in compliance with their guidelines for healthy air, and as few people as possible will have suffered from SO<sub>2</sub> toxicity in the intervening years.

Carla Carla

# Air Quality Board Permit Hearing April 29, 2015

My name is Scott Hardin-Nieri, I am a father, husband, Director of Creation Care Alliance of Western North Carolina, a Pastor with the Christian Church (Disciples of Christ) and a member of the human family and all of creation. I am here to share my hopes that the Air Quality Board will lower the permitted SO2 emitted by the Duke Asheville Coal plant to be within what the EPA deems as healthy limits. (Specifically revise the Title V air pollution permit to include a numeric emission limit for SO2 that reflects the federal minimum standards. Please place a limit of 61.7 pounds for hour for each coal- burning unit, equating to a plant-wide SO2 limit of .029 pounds per one million British Thermal Units (BTU's).)

My young children, wife and I recently arrived to Asheville and as we tried to get to know our new home, we discovered the creeks and paths in the Bent Creek area. My children splashed in the creek, we skipped among the beautiful trees and walked along the winding paths. In a time of great transition and grief, we connected more deeply with one another and were able find some healing and joy in the ripples of the water, the light breeze and deep green of leaves that waved around us.

# Our family was somehow welcomed. For us Bent Creek became Sacred Ground.

It is this kind of hospitality of connection, healing, compassion, justice and joy that is found so often in the sacred texts of my spiritual tradition. The hospitality of caring for the sick, welcoming the stranger and feeding the hungry were not only nice things to do but indicated the very presence of God. As a Christian, I am invited to embody the hospitality of a loving God everywhere I go.

And so tonight I speak on behalf of a deep hospitality. A hospitality that has been spoken of for generations. An ancient hospitality. A hospitality that is desperately needed in our world.

A Great Big Welcome to clean air. For the people who live, work and play in this community and for the creatures great and small.

# This is an important opportunity for your board to partner with this community and Duke Energy to create a more hospitable future, not only for the kids splashing in Bent Creek, but for the hills of Western North Carolina and our planet.

I vrge the Hiv Quality Board to adopt the most strigent air quality standards to insure US clean and to breathe. The current proposals are way too weak