



A&WMA

THE AIR AND WASTE MANAGEMENT ASSOCIATION NEWSLETTER
NORTHERN OHIO CHAPTER

Volume 21 Number 1

April 2008

An Inconvenient Truth Is Not So Truthful by Scott Smith



Scott Smith

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Well, I did it. I finally sat down and forced myself to watch *An Inconvenient Truth*. You may have heard of it – you know, an Academy Award winning documentary film about global warming? produced by former VP Al Gore? Who wins a Nobel Peace Prize? Yea. I thought you’ve heard of it. Well to summarize the film, Al makes this science fiction apocalyptic disaster movie “like a nature hike through the Book of Revelation” to quote Mr. Gore.

It’s obvious that he put a lot of effort into it. He went to the Arctic in a submarine to study ice cores. He spent hundreds of hours at airports and on airplanes traveling around the world to give his presentation. He made lots of cool looking power point slides with pictures and graphs. It makes for good debate, but a debate has two sides. Where is the other point of view? You never hear the other side of the debate. This movie is being shown in classrooms all over the world without any counter viewpoint. My daughter in college was even shown the movie in one of her architecture courses. Of course, now she is an expert on global warming.

People are entitled to their own views, *but An Inconvenient Truth* is presented as scientific fact. It’s not scientific fact. It’s not even a consensus.

I must admit, he does make some pretty convincing statements, but being an engineer, I had to look at his declarations more closely and see if the “inconvenient truth” was really truthful. For example, Gore implies that the Aral Sea in Central Asia has been drying up, a consequence of global warming. The truth? It has been drying up for decades because the former Soviet Union diverted the river that once flowed through the lake to irrigate crops.¹

Another “truth” stated in the movie is that the snows of Kilimanjaro are melting and that the snows will be gone in a decade due to an increase in CO₂ emissions. The truth? The icecap on Kilimanjaro has been melting since the 1800s, long before human emissions could have influenced the global climate, and satellites do not detect a warming trend in the region.² So why are the snows disappearing? Because farmers have removed large areas of forest around the base of the mountain. Those forested areas held the moisture that allowed the clouds to form that created the local snow event at the peak. Without the forests to supply sufficient moisture, the cycle that produced the snowy peak has been broken.³

Another “truth” stated in the movie is that “sea levels have been rising”. It suggests that the sea ice is melting and that sea levels worldwide would go up 20 feet in less than 100 years. The International Union for Quaternary Research

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A&WMA Spring Technical Conference Offers Something New and Exciting

Registration Form on page 10



This year the NOC-AWMA will combine its traditional technical conference with breakout workshops. The conference will run from 10:00 until 4:00 on Thursday May 8 at Trinity Commons (part of Trinity Cathedral), 2230 Euclid Avenue Cathedral across from Cleveland State University. We’ve been there before - the facilities are great and you park FREE in the Commons’ parking lot off of Prospect Ave just east of E. 22nd St. Registration opens at 9am, so plan to join us for breakfast and networking before the sessions begin.

The conference starts with a traditional regulatory session on current air, water and solid waste issues. If you have any special questions you would like to have addressed, send this editor an email. The second session is an invited presentation that deals with removing the financial risks from remediation projects. With lunch, in addition to fine food, we will have a presentation on the Governor’s Energy Plan, which is currently working its way through the legislature, and sure to affect everyone in Ohio, including the environmental community.

The afternoon will consist of two 3-hour concurrent breakout workshops. Ohio EPA leads one on solid waste compliance for generators. This soup-to-nuts presentation is a must for anyone managing hazardous waste, particularly if you are a LQG. The other workshop will be presented by Air Compliance Testing. This hands-on demonstration will help you understand stack testing, particularly, the methods for testing PM2.5. If you ever contract for or supervise a stack test, you are at risk if you don’t understand the process. Even if you have participated in a stack test, you need to understand PM2.5. It’s not your father’s pollutant. For one, it’s both particulate and aerosol. If you need to participate in both workshops, you can either clone yourself or invite a colleague to attend. See you there. Look for me and my clone. Editor.

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(INQUA) Commission on Seal Level Change and Coastal Evolution (1999-2003) report indicates a rise of at most 10 centimeters over the next 100 years.⁴ No where near the level Al Gore has proclaimed.

Al shows us a graph that displays a timeline of temperature compared to CO₂ levels over a 600,000 year period as reconstructed from ice core samples. He indicates that this is conclusive proof of the link of increased CO₂ emissions and global warming. A closer look at the records shows that historically, increases in CO₂ concentrations actually lagged behind temperature changes from 200 to 1,000 years.⁵

Al is right that the globe is getting warmer. It has warmed a whole one degree Fahrenheit over the last 100 years. From 1910 to 1945 there was a rapid increase in temperature while CO₂ levels remained steady. Then from 1945 to 1975, temperatures lowered, while CO₂ levels increased. Temperatures rose again from 1975 to 2004.⁶ Now temperatures have dropped over the last 12 months, while CO₂ emissions continue to rise.⁷ This does not exactly comport with Al Gore's theory that the earth is heating up as CO₂ levels increase.

Is this warming caused by humans? CO₂ emissions don't correlate too well with global warming, but something else does ---- the SUN. Research has shown that stretching back 1,000 years, when sunspot activity went up, the earth got warmer; when the activity went down, the earth got colder.⁸ Why didn't Al bring that up in his power point presentation? Maybe it doesn't fit his agenda.

Al proclaims that glaciers around the world are receding and the calving of ice shelves are proof of global warming. The truth? Glaciers have been receding and growing cyclically for hundreds of thousands of years. Recent glacier melting is a consequence of coming out of the very cool period of the Little Ice Age.⁹ Ice shelves have been breaking off for centuries. Scientists know of at least 33 periods of glaciers growing and then retreating.¹⁰ It's normal. Besides, glacier's health is dependent as much on precipitation as on temperature.

Al Claims that the southern end of Greenland is getting warmer and melting due to an increase in CO₂ emissions. The truth? Research in 2006 found that Greenland West, the Disco Bay, has been melting for over 200 years, and the rate of melting has decreased in the last 50 years.¹¹ Another 2006 study concluded Greenland was as warm or warmer in the 1930's and 40's and the rate of warming from 1920-1930 was about 50% higher than the warming from 1995-2005.¹² One 2005 study found Greenland gaining ice in the interior higher elevations and thinning ice at the lower elevations.¹³

He says the ice shell at the west end of the Antarctic – Larson B is melting. That's true. It is. But, guess what? The ice shell at the east end is increasing. Scientists at NASA Goddard Space Flight Center have reported that satellite measurements show that sea ice now covers about two percent more area around Antarctica than it did two decades ago, a suggestion of recent cooling. It's a natural cycle that has been happening for thousands of years.¹⁴

Al Gore states in the movie that "the debate is over" and "the scientific consensus has settled the issue of global warming". The truth? A 1992 Gallup survey of climatologists found that 81 percent of respondents believed that the global temperature had not risen over the past 100 years, were uncertain whether or not or why such warming had occurred, or believed any temperature increases during that period were within the natural range of variation. Further, a 1997 survey conducted by American Viewpoint found that state climatologists believe that global warming is largely a natural phenomenon by a margin of 44% to 17%.¹⁵

A U.S. Senate report released on December 20, 2007, documented 400 prominent scientists saying global warming and cooling is a cycle of nature and cannot legitimately be connected to man's activities.¹⁶

An analysis of peer reviewed literature by Hudson Institute dated September 14, 2007 found more than 500 scientists have published evidence refuting the current man-made global warming scare.¹⁷

John Coleman, the founder of the Weather Channel said the campaign to promote the theory of man-made global warming is "the greatest scam in history".¹⁸

What is completely ignored is something called the Oregon Petition. The Oregon Petition claimed to show that a scientific consensus does not exist on the subject of global warming, following the 1992 Statement by Atmospheric Scientists on Greenhouse Warming, the Heidelberg Declaration and the Leipzig Declaration. The petition site asserts that the number of signatures is approximately 19,000. Ten meteorologists from Cleveland alone signed Leipzig's Declaration.¹⁹ Who should know better about the earth's ever changing climate than a trained meteorologist?

There is, therefore, no scientific consensus on global warming.

Al says that "we already know everything we need to know to act", but not everyone agrees with that statement.

On February 27, 1992 the Science and Environmental Project released a strongly worded statement by renowned atmospheric scientists, which states: "...The majority of scientific participants in a survey (summer 1991) agreed that the theoretical climate models used to predict a future warming cannot be relied upon and are not validated by the existing climate record. Yet all predictions are based on such theoretical models..."²⁰

It would appear that the scientific community does not agree with the theoretical models being used and that the models do not tell us everything we need to know.

I could go on and on with contradicting "the truth" in the highly acclaimed *An Inconvenient Truth*, but you get the picture. It seems that Mr. Gore is being a bit loose with the facts. I just want to heighten your awareness to what is being reported as the "truth" about our planet's ever changing environment and keep in mind that the facts can be easily misconstrued to present a one-sided debate.

An Inconvenient Truth Is Not So Truthful

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Check Out Our Website

I would like to invite everyone to check out the chapter's newly designed website at www.nocawma.org. In it, you can review past newsletters...going all the way back to the spring of 1994. Or you can click on the current events page and see what's coming up (we are planning a Spring Technical conference in May) or what past events took place. You can even download recent PowerPoint presentations. Current officers are listed (feel free to contact anyone of us) or you can tell us what you think of the organization anonymously by filling out and submitting the questionnaire.

If you know of someone who is interested in joining (only \$12/year as an Associate Member) just fill out and submit the application. You can also become a full-fledged National Member for \$180 by going to www.awma.org and fill out their application on line (you automatically become a local associate member when you join national). We've also added a Paypal to the NOC-AWMA website. Pay dues or conference fees using Paypal or even a credit card.

We welcome your involvement and invite you to attend our monthly planning meetings, which are held on the 2nd Wednesday of every month at 4:00pm at the Brecksville library.

As I said, come check out our website or visit us in person. I challenge you to become more involved and to meet your peers who share your passion in your profession by participating in this worth while organization. You'll find it to be very rewarding personally and professionally. *Chair.*

Message from the Chapter Chair

by Scott Smith

Scott is the current chair of the Northern Ohio Chapter of the A&WMA and the regulatory Compliance Manager for ERM in Cleveland. He can be reached at 440-542-0750 or at scott.smith@erm.com.

PERSEVERANCE

"Keep the faith" or "Hang in there" are more than expressions of encouragement to someone experiencing hardship or difficulty. It's good advice for anyone intent on doing the right thing. Whether you are trying to remediate a contaminated piece of property or trying to grow your business by meeting more clients.

Let's face it, it builds character. It makes us a better person and it makes us better at our profession. Perseverance is especially important in the environmental business. Over the years, I've learned that there are many players involved with any environmental project (e.g., the agency, the owner, the consultant, the project engineer, etc.) that it can often times be almost impossible to accomplish the project to everyone's satisfaction. A project may be difficult to finance or difficult to find a solution, but if you persevere, you will find a way. I was once involved with a site redevelopment project that took over ten years to complete. Everything that could go wrong did go wrong. The developer ran out of money, the property owner changed, the regulator changed their requirements, but everyone involved on the project team persevered and we completed the project successfully.

We learn of the importance of perseverance from early childhood with... "Slow and steady wins the race", Aesop's familiar fable of the tortoise and the hare. There is also the familiar saying... "If there's a will, there's a way".

The value of perseverance has rarely been illustrated more convincingly than in the life story of one man...

Failed in business – age 22
 Ran for legislature and was defeated – age 23
 Again failed in business – age 24
 Elected to legislature – age 25
 Sweetheart died – age 26
 Had a nervous breakdown – age 27
 Defeated for Speaker – age 29
 Defeated for Elector – age 31
 Defeated for Congress – age 34
 Elected to Congress – age 37
 Defeated for Congress – age 39
 Defeated for Senate – age 46
 Defeated for Vice President – age 47
 Defeated for Senate – age 49
 ELECTED PRESIDENT of the UNITED STATES – age 51

That's right. That is the record of Abraham Lincoln, one of the greatest presidents in our nation's history. Perseverance is what fueled President Lincoln and the brave people of those times to succeed. If they hadn't, our nation would not be the United States that it is today.

I'm not saying you should strive to become the President of the United States, I'm just saying that you should persevere in everything you do – every day. Never give up. It makes you a better person and it makes you a better professional.

Let me conclude my message with a simple poem that we all learned in grade school that teaches perseverance.

'Tis a lesson you should heed,
 Try, try, again;
 If at first you don't succeed,
 Try, try, again;
 Then your courage should appear,
 For it you will persevere,
 You will conquer, never fear,
 Try, try, again.

(Thomas H. Palmer, 1782-1861)

Ohio EPA Regulatory Review

Summary of
information available
at www.epa.state.oh

Division of Air Pollution Control STARSHIP Replacement Update

The launch for STARS2 has been delayed. The new STARS2 program eventually will be used for all PTI applications and much other communication. The program will be web-based as a portal on OEPA's e-Business Center Air Services. The old system relied on files transferred to STARS from STARSHIP databases located at the plant or at a consultant.

The e-Business Center Air Services release date has been delayed until June 30, 2008. The 2007 emissions reports remains due June 6, 2008. June 13, 2008 will be the last day that STARSHIP files will be accepted.

Air Rule revisions

OAC 3745-21-07 has been revised and became effective on February 18, 2008. A revision was prompted by the 2001 Ohio Supreme Court decision in *Ashland Chem. Co. v. Jones*. Paragraph (G)(2) no longer applies to (1) transfer operations handling liquid organic materials (LOM) classified as photochemically reactive material (PRM) and (2) mixing operations involving one or more LOM classified as PRM. It's Ohio EPA's position that "transfer" and "mixing" are not considered "employing" as they relate to employing any PRM or substance containing such PRM. Therefore, these processes no longer are covered by the rule.

Also in OAC 3745-21-07(G)(2), as part of Ohio EPA's required five-year rule review, the organic compound emission limits of 8 lbs/hour and 40 lbs/day are not being retained for uncontrolled sources, except for sheet molding compound manufacturing operations. Ohio EPA does not expect a significant increase in VOC emissions by the removal of the 8 lbs/hour and 40 lbs/day limits for uncontrolled sources. This change does not affect sources with controls required by a PTI or those heated LOM operations regulated under (G)(1), which is now (M)(4).

USEPA raised concerns with the current OAC 3745-21-09(U)(2)(f) while reviewing Ohio's State implementation Plan and Ohio's control strategy for VOCs in the Cleveland/Akron metropolitan area. Paragraph (2)(f) is a variance procedure for alternative emissions limitations to coating of miscellaneous metal parts. As a result, OEPA's is proposing an amendment to establish a public review process.

For information on both rules, see the "What's New" link on the Ohio EPA web site at <http://www.epa.state.oh.us/dapc/page/whatsnew.html>.

Ohio EPA Accepts TRI Reports through the Central Data Exchange

Facilities located in Ohio can now submit their TRI information to both U.S. EPA and the Ohio EPA/Toxic Release Inventory Program simultaneously through the Federal Central Data Exchange (CDX) using the TRI-ME software. CDX will automatically forward your data to Ohio. This method eliminates the need to generate a diskette or CD to mail separately to Ohio EPA.

Division of Hazardous Waste Management

No update is presented here. However, DHWM will present a workshop on RCRA HWM for generators at the NOC-AWMA Spring conference in Cleveland on May 8. See write-up on page 1.

Division of Surface Water Electronic Discharge Monitoring Report Submission System (e-DMR's)

SWIMware is being replaced by this new online system called e-DMR, Electronic Discharge Monitoring Reporting System. The term, MORs (Monthly Operating Reports) is now being referred as DMRs (Discharge Monitoring Reports). The new reporting system is entirely web-based and accessible via any internet connection. E-DMR is now available to the state-wide without preregistration. All SWIMware users, preprint users, and flat file users are urged to transition to the new system as soon they can. Towards the middle of 2008, SWIMware & flat file submittals will no longer be accepted. It is OEPA's goal to transition all preprint users to eDMR as well.

e-DMR is accessible via the Ohio EPA eBusiness Center, which is a new, secure portal for online business services. This portal is the entry point for the regulated community and consultants to electronically complete and file reports and permit applications and to pay fees. Authorized users will be able to update their facility and contact information directly.

The eBusiness Center will initially offer capabilities for wastewater discharge monitoring reports. Over the next several months, Ohio EPA will add services related to air pollution, drinking water and solid waste. All services will be accessed through Ohio EPA's eBusiness Center at ebiz.epa.ohio.gov.

All-Ohio A&WMA Fall Conference A Rocking Success

Once again the two Ohio chapters of AWMA cooperated beautifully to stage the Fall 2007 Technical Conference in Columbus at the state government Verne Riffe Center for the Arts. Our Northern Ohio chapter hired a tour bus and sprung for refreshments and about twenty of us went to the conference like rock stars. The speakers were all excellent. Dr. Howard Ellis, President of Environplan Consulting, addressed PM2.5, including the generally misunderstood difference between filterable and condensable PM. USEPA's William MacDowell explained USEPA's enforcement priorities. A few in the audience found out that they were under the gun. At lunch, OEPA Director Chris Korleski gave an energetic and informative summary of his priorities as Director. I found the discussion of a carbon registry and a new approach to landfills particularly interesting. The industrial roundtable was very interesting, particularly Jack Pounds' discussion of a new Chemical Facility Anti-Terrorism Standard. Jack is Director of the Ohio Chemical Technical Council. One of the most informative sessions was given by OEPA's Adam Ward on the replacement for Starship. Bill Spires addressed Air Modeling, notably USEPA's new AERMOD. As a modeler, I found it fascinating, but even the majority of non-modelers in the audience received a much needed understanding of modeling. Finally, OEPA DAPC Chief, Bob Hodanbosi spoke on what was billed as "Hot Hodanbosi Issues." I was trying to visualize a Hot Hodanbosi, but his presentation of Hot Issues was as usual, interesting and helpful. Finally, the chapter bused its way home with liquid refreshment most appreciated. Editor.

Upcoming NOC-AWMA Election of Officers

Keep a watch for an email ballot for the election of new officers for the coming year beginning May 1. Officers include chair, vice-chair, secretary, treasurer and three directors. The latter serve on rotating three year terms. All AWMA members and Local Associates of NOC-AWMA are eligible to vote. Even if you are not an officer, you are welcome to participate in the planning for the chapter. Meetings are held on the second Wednesday of each month, September through April in the Brecksville Library from 4:00 to 5:30 pm. All are welcome to attend.

Annual Outing at the Akron Aeros

This year the chapter will again get together at Akron's Canal Park to route on the Aeros. The game is Friday July 18 at 7:05. We have really good seats, its fireworks night and the tickets are free, at least for the first four. Bring the kids, work colleagues, college buddies, whoever. For kids it better than Progressive Field since they are so close to the field. It's the fun event of the year. Tickets will be available in May. For free tickets contact Bob Perry at rrperry@firstenergycorp.com



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Editorial

by David Marczely

As your editor, I have decided to write an editorial for each issue. It will be an opinion piece, and I hope it is controversial. I have invited you to submit comments but with little success. I hope in these editorials I can tick you off enough to sit down and argue with me. No sucking up, please. I intend to write these until they tell me I can't. This is not a blog. I guess blogs serve their purpose by getting ideas out quickly. But I prefer a more reflective form. I never submit anything after a first draft. I let it sit awhile, and trash it if I don't agree with myself the next day. With that, here is my first editorial for this newsletter.
D. Marczely.

Who Are the Real Environmentalists?

While going to Law School after wearing tweed for eighteen years as a professor of earth science, I donned hard hat, goggles, work blues and metatarsal shoes that weighed a ton and worked in the environmental section of a rod and wire mill. I worked with another law student, much younger than I who since has had a fine career at Ohio EPA. We both worked part time for a fine manager who had good appreciation of the environment and instilled that in both of us. We had a great company president who believed the company owed more than mere compliance. His company assumed responsibility to look after the old canal that ran along the Cuyahoga River. This president purchased memberships for the three of us in environmental organizations and expected us to participate on company time in their efforts.

On one occasion, the three of us attended a meeting of the various grass route environmental organizations in the area with the view to developing and sharing resources. We were summarily drummed out the meeting because we worked for the polluters. Needless to say the shared resource concept never went past that meeting. We each considered ourselves environmentalist, but obviously others did not. That was about seventeen years ago. Ever since, I have wondered who are the real environmentalists? Over the years I have formed some opinions on the subject, which I would share with you.

A generally recognized characteristic of an environmentalist is one who is active in an environmental organization. Those who merely mail in a check to an organization are mere environmental wantabes. Is a tree hugger necessarily a real environmentalist? To me, a real environmental has to be concerned with environmental balance, the ecology. In an effort to save all trees, a tree hugger may interfere with nature's need to cull out some trees to save others. We all witness to last fall's forest fires in California. The greatest damage, not merely to homes but to the forest itself and its creatures, was done where so-called environmentalists fought the Forest Service from doing control thinning and removal of underbrush.

A common criticism is reserved to the NIMBY's, which to the uninitiated is "Not in My Back Yard." Most environmentalists would agree that renewable energy such as wind mills is desirable. What many do not know is that one of the biggest obstacles to wind farming is the environmentalists. Some have quasi-legitimate reasons such as danger to migratory birds. But a well-publicized episode was the opposition to the proposed wind farm off the coast of Nantucket in Cape Cod. Some well-known local environmentalists were concerned for ascetic reasons, especially during sailing season when wind farms are most effective. This was in spite of the fact the project wind energy was sufficient to supply most of the electric energy for the island.

Not all NIMBY's are that obvious. Many are not even aware that they are NIMBY's. So-called environmentalists successfully petitioned the US Supreme Court in a series of cases to force the USEPA to make the ozone air quality standard ever stricter. Hold it, David, do you really believe these environmentalists who want cleaner air are not real environmentalist, but NIMBY's? You bet I do!

The whole body of federal environmental laws that sprung up in the seventies was found on a reaction to the *Theory of the Commons*. In short, it meant that if we did not control pollution broadly, commerce would move away from states that wanted to control pollution and locate in areas where environmental laws were less strict. But now we have a global economy. If controls are too strict, manufacturing will move to third world countries that have weak or no controls. In the seventies, USEPA set the one-hour ozone standard. Prior to 1970, people actually died from pollution, it was so bad. By 1995, with help from Congress in 1990, much of the country and all of Ohio was attainment of the standard. Then the courts forced USEPA to introduce the stricter 8-hour standard. And now, when it appears that Ohio will have a satisfactory SIP to meet the standard, the USEPA is again forced to make the standard stricter. Don't expect any new heavy manufacturing to locate in Ohio and expect many to leave when they need to update equipment.

How bad is the air quality that the environmentalist would force this on Ohio and other industrial areas in the country? At the worst monitor in Ohio, there are eight days when the air quality is legally bad and then only in a fraction of the seven county area that form the Cleveland-Akron Air Quality regions. Some asthmatics will have problems on those days, but they can avoid it by staying home and seeking air conditioning. On the other hand, the increased production in the third world is actually killing people. Their processes are less efficient, so they use more fossil fuel per production unit than we do, and they do so without any controls, unlike here where controls may not be perfect but they exist.

Who then are the real environmentalists? Its people who willingly comply with environmental laws. They seek to find ways to operate green by pollution prevention measures that reduce pollution without costly add-on controls, while still making a profit. They keep their own house in order, rather exporting the pollution. Editor.

Market for Climate Credits

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Air Compliance Testing is currently the only Company in the United States approved as a third-party verifier for CCX ODS Destruction projects.

Even though cap and trade restrictions, now pending in Congress, have not yet become mandatory, a market for carbon credits has been operating for five years. Some emitters are signing binding agreements for carbon reductions because they are concerned about global warming or they realize that operating green is good business. Others are banking credits for future restrictions.

The Chicago Climate Exchange (CCX), launched in 2003, is the world's first and North America's only active voluntary, legally binding integrated trading system to reduce emissions of all six major greenhouse gases (GHG).

CCX is a cap and trade system whose members make a legally binding emission reduction commitment. Members are allocated annual emission allowances in accordance with their emissions baseline and the CCX Emission Reduction Schedule. Members who reduce beyond their targets have surplus allowances to sell or bank; those who do not meet the targets must comply by purchasing CCX Carbon Financial Instrument® (CFI™) contracts. In Phase I (years 2003-2006), members committed to reduce emissions a minimum of 1% per year, for a total reduction of 4% below baseline. In Phase II, CCX members commit to a reduction schedule that requires year 2010 emission reductions of 6% below baseline.

CCX's integrated GHG (greenhouse gas) reduction and trading system includes a full portfolio of offset projects. CCX issues tradable CFI™ contracts to owners or aggregators of eligible projects on the basis of sequestration, destruction or reduction of GHG emissions.

Offset projects can be registered by Members, Offset Providers and Offset Aggregators. Offset Providers and Offset Aggregators do not have significant GHG emissions. Entities that have significant GHG emissions are eligible to submit offset project proposals only if they have committed to commit their own emissions to the CCX Emission Reduction Schedule as Members. Offset projects involving less than 10,000 metric of CO2 equivalent per year should be registered and sold through an Offset Aggregator. The terms of the business and legal relationships between aggregators and offset project owners are left to the discretion of those parties.

CCX has developed standardized rules for issuing CFI contracts for the following types of projects:

- Agricultural methane
- Coal mine methane
- Landfill methane
- Agricultural soil carbon
- Rangeland soil carbon management
- Forestry
- Renewable energy
- Ozone depleting substance destruction

Other project types, to be approved on a project-by-project basis, may include:

- Energy efficiency and fuel switching
- Clean Development Mechanism projects

Project proposals are reviewed for approval by a CCX committee. The applicant must obtain independent project verification by a CCX-approved verifier, register as a provider or an aggregator, and then enter into binding contracts for sequestration or destruction of GHG.

Can Kyoto Make Global Warming Worse?

Kyoto intends to hinder global warming by restricting the use of fossil fuels in industrial countries, while not restricting the third world. Production is more efficient in industrial countries. Kyoto intends to move that production to the third world where a given unit of production will emit more, not less carbon. If carbon emissions correlate to global warming as Kyoto claims, then Kyoto will increase global warming. *Editor.*



AIR & WASTE MANAGEMENT
ASSOCIATION

FROM THE EDITOR

The Northern Ohio Chapter Newsletter is published semiannually for members of A&WMA and local associates. David Marczely, newsletter editor, may be contacted at dmarczely@roadrunner.com. Membership includes subscriptions to the newsletter. For membership information contact Ed Fasko through the chapter web page at www.nocawma.org.



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Contact editor at
dmarczely@roadrunner.com for details



Spring
Technical
Conference
and
Workshops

Thursday, May 8, 2008

Registration: 8:30 am – 9:00 am

Registration: 9:00 am – 4:00 pm

Trinity Cathedral

2230 Euclid Avenue, Cleveland

Parking is free.

Sessions Include:

- OEPA Regulatory Update
- Remediation Projects
- PM 2.5 Nonattainment
- Governor Strickland's Energy program

Workshop Breakout Session Topics:

- Hazardous Waste Issues for Generators
- PM2.5 Stack Testing Primer

NAME/TITLE: _____

COMPANY/AFFILIATION: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

PHONE: _____ E-MAIL: _____

- WORKSHOPS I WILL ATTEND: Hazardous Waste Issues for Generators
 PM2.5 Stack Testing Primer

AWMA MEMBER & NOC LOCAL ASSOCIATES	\$80
NON MEMBER	\$95
GOVERNMENT	\$50
STUDENT	\$35
EXHIBIT TABLE (includes 1 admission)	\$175

AMOUNT ENCLOSED: \$ _____ (Make check payable to "NOC-AWMA")

Registration includes continental breakfast and lunch.

REGISTRATION FORM AND PAYMENT TO ARRIVE BY MAY 1st.

MAIL TO:
(Use COMPLETE name and address)
BOB PERRY (AGO-13),
NOC-AWMA
76 SOUTH MAIN STREET
AKRON, OHIO 44308

REGISTRATION QUESTIONS?
Call Bob Perry at 330-761-4485 or
e-mail rrperry@firstenergycorp.com