

ENVIRONMENTAL ENGINEERING DIVISION NEWSLETTER

8 MARCH 2010

Please be aware any Newsletter URL ending in **020701.pdf** is available for downloading only during the six days following the date of the edition. If you need previous Newsletter entries contact George at ghh@att.net.

Please Note: This newsletter contains articles that offer differing points of view regarding climate change, energy and other environmental issues. Any opinions expressed in this publication are the responses of the readers alone and do not represent the positions of the Environmental Engineering Division or the ASME.

George Holliday

This week's edition includes:

ENVIRONMENT: A. WEDNESDAY, MAR. 3, 2010

Environmental Protection Agency

RULES

National Emission Standards for Hazardous Air Pollutants:

Reciprocating Internal Combustion Engines,

9648-9690

SUMMARY: EPA promulgates national emission standards for hazardous air pollutants for existing stationary compression ignition reciprocating internal combustion engines that are located at **area** sources of hazardous air pollutant emissions (TEG dehydrators) or have a site rating of less than or equal to 500 brake horsepower and are located at **major** sources of hazardous air pollutant emissions. Also, EPA promulgates national emission standards for hazardous air pollutants for existing non-emergency stationary compression ignition engines greater than 500 brake

horsepower located at major sources of hazardous air pollutant emissions. EPA revises the provisions related to startup, shutdown, and malfunction for the engines regulated previously by these national emission standards for hazardous air pollutants (40 CFR part 63). This final rule is effective on May 3, 2010.

<http://edocket.access.gpo.gov/2010/pdf/2010-3508.pdf>

2) HEALTH- ANTIBIOTIC HANTAVIRUS UPDATE 2010 - AMERICAS (10): USA (COLORADO)

Colorado health officials say Weld County recorded its 2nd-ever death caused by the [a] hantavirus carried by deer mice [*Peromyscus maniculatus*]. The death happened last month [February 2010], but officials said Tuesday [2 Mar 2010] that the Colorado Department of Public Health and Environment did blood tests and confirmed this week that the person had contracted the virus. The person's name was not released. .

<http://www.eandp-environment.net/Health/Health020701.pdf>

3) SAFETY – A) DROPPED GENERATOR SET

WHAT HAPPENED:

A 550 KVA generator set was being moved by a crane from a transport barge to the rig by connecting the lifting slings to the weatherizing framework. The frame pulled loose from the skid and the generator fell 15-20 feet (5 - to the deck destroying the generator set. Fortunately no one was under the load when it fell

<http://www.eandp-environment.net/Safety/Safety020701.pdf>

Mike McKenna, CSP

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B) CLEAN ENERGY SAFETY

Wind turbines are becoming a safety hazard, which is a surprise

<http://www.caithnesswindfarms.co.uk/page4.htm> . Also, be sure to view the video on windfarm sickness in Australia. (link on the home page) It's very interesting and something I expect we'll hear more about.

4) TRANSPORTATION. NOTHING OF INTEREST

5) COMMENTS:

A. [The Week That Was \(February 27, 2010\)](#)

The UN chief negotiator for a treaty has resigned, IPCC Chairman R.K. Pachauri is under fire, surface temperature data are being investigated, and exaggerations in the IPCC reports are coming to the fore. Of course IPCC defenders dismiss the issues as exaggerations from a few dissident skeptics or, as US Senator Bernie Sanders claims, Nazi deniers.

The US EPA has thus far responded to the petitions for reconsideration of its finding that carbon dioxide emissions endanger human health and welfare as expected: with a resounding NO! "The science is settled." Or as the headline of one article puts it: "Fifteen Years With No Global Warming Doesn't Mean There's No Global Warming, Says EPA Chief." No doubt this story will also develop further

www.SEPP.org

ken@haapala.com

B. U. S. Temperature Trends Using NCDC Raw and Adjusted Data for One-Per-State Rural/Urban

The Goddard Institute for Space science (GISS), the National Climatic Data Center (NCDC), and centers processing satellite data, such as the University of Alabama at Huntsville (UAH), have published temperature and rate of temperature change for the Contiguous United States, or 'Lower 48'. Both GISS and NCDC have been criticized for their station selections and the protocols they use for adjusting raw data
Written by Edward R. Long, Ph.D.

Thursday, 25 February 2010

For the Full Report in PDF Form, please click here.

[Illustrations, footnotes and references available in PDF version]

C. EPA sees need for more climate-related funds ahead of GHG rules

The Environmental Protection Agency will need more funds for climate-related programs in the coming years as the agency moves toward regulating greenhouse gases, Administrator Lisa Jackson told the House Interior and Environment Appropriations Subcommittee. "I would expect that the needs would continue to grow as we move into a world -- either through legislation, hopefully through legislation, but possibly also with regulation -- of increasing activity on climate change," Jackson said. <http://www.nytimes.com/gwire/2010/02/25/25greenwire-epa-will-need-increased-climate-funding-as-reg-20989.html> (2/25)

D. On the reliability of the U.S. Surface Temperature Record

Recent photographic documentation of poor siting conditions at stations in the U.S. Historical Climatology Network (USHCN) has led to questions regarding the reliability of surface temperature trends over the conterminous U.S. (CONUS). To evaluate the potential impact of poor siting/instrument exposure on CONUS temperatures, trends derived from poor and well-

sited USHCN stations were compared. But Menne's study was conducted using information on only 43 percent of the weather stations. <ftp://ftp.ncdc.noaa.gov/pub/data/ushcn/v2/monthly/menne-et al2010.pdf>

E. U.S. Weather Station Photographs

Keep clicking, there are lots of images

http://gallery.surfacestations.org/main.php?g2_itemId=39400

F. A perfect storm is brewing for the IPCC

The emerging errors of the IPCC's 2007 report are not incidental but fundamental, says Christopher Booker

The chief defence offered by the warmists to all those revelations centred on the IPCC's last 2007 report is that they were only a few marginal mistakes scattered through a vast, 3,000-page document. OK, they say, it might have been wrong to predict that the Himalayan glaciers would melt by 2035; that global warming was about to destroy 40 per cent of the Amazon rainforest and cut African crop yields by 50 per cent; that sea levels were rising dangerously; that hurricanes, droughts and other "extreme weather events" were getting worse. These were a handful of isolated errors in a massive report; behind them the mighty edifice of global warming orthodoxy remains unscathed. The "science is settled", the "consensus" is intact.

<http://www.telegraph.co.uk/comment/columnists/christopherbooker/7332803/A-perfect-storm-is-brewing-for-the-IPCC.html>

Ron Kelm, P.E. <<mailto:ronkelm@forensiceng.com>>

G. We Can't Wish Away Climate Change

It would be an enormous relief if the recent attacks on the science of global warming actually indicated that we do not face an unimaginable calamity requiring large-scale, preventive measures to protect human civilization as we know it.

Ron Kelm, P.E. <<mailto:ronkelm@forensiceng.com>>

H, 3 House lawmakers issue resolution to veto EPA's GHG rules

Three House lawmakers issued a joint resolution that would apply the Congressional Review Act to repeal the Environmental Protection Agency's ruling that greenhouse gases endanger human health and welfare. House Agriculture Committee Chairman Rep. Collin Peterson, D-

Minn., Rep. Ike Skelton, D-Mo., and Rep. Jo Ann Emerson, R-Mo., said that the EPA's proposed GHG regulations would be unwieldy and crippling to the economy. The trio in February sponsored a separate bill that seeks to amend the Clean Air Act to block the EPA from regulating greenhouse gases.

<http://www.nytimes.com/gwire/2010/02/26/26greenwire-two-key-house-dems-move-to-block-epa-regulator-62739.html> (2/26)

I. House Republicans to offer resolution against EPA's GHG finding

House Minority Leader Rep. John Boehner, R-Ohio, will lead the unveiling of a formal resolution that would quash the Environmental Protection Agency's finding that greenhouse gases imperil human health and welfare. The resolution has 79 co-sponsors, according to House Republicans. "Congress has the right and the responsibility to nullify the decisions of the bureaucracy when they run counter to the people's interests," said Texas GOP Rep. Joe Barton. <http://www.nytimes.com/gwire/2010/03/01/01greenwire-house-gop-to-launch-another-salvo-at-epa-emiss-43276.html> (3/1)

J. Bipartisan group mulls over options for compromise climate bill this year

The bipartisan group of Sens. John Kerry, D-Mass., Lindsey Graham, R-S.C., and Joseph Lieberman, I-Conn., is working on a compromise climate bill that could be on the Senate floor by June if it attracts the minimum 60 votes for passage. Among the mechanisms under consideration for the compromise package are industry-specific carbon pricing, limited cap and trade, a carbon tax and the so-called cap-and-dividend system.

<http://uk.reuters.com/article/idUKN0125025420100301?sp=true> (3/1)

K. From wattsupwiththat.com

27 02 2010

From the BBC: [‘Iceberg the size of Luxembourg threat](#) – click image for video and watch the collision of two giant ice masses. Of course 50 years ago, such things would likely go unnoticed without satellite imagery.

A vast iceberg that broke off eastern Antarctic earlier this month could disrupt marine life in the region, scientists have warned. They say the iceberg, which is 78km long and up to 39km wide, could make it harder for the area's colonies of Emperor Penguins to find food. But British and Australian scientists disagree on whether it could also cause major problems to our own weather patterns. Well so far, nobody at the BCC is blaming the collision on Global Warming: [BBC tells the truth – shock horror! – iceberg not caused by global warming](#)

Don Shaw

[L. Kerry Blames Tornado Outbreak on Global Warming](#)

Kerry appeared on MSNBC on February 6 to discuss storms that have killed at least 50 people throughout the Southeastern United States. So, of course, Kerry used the platform to advance global warming alarmism.

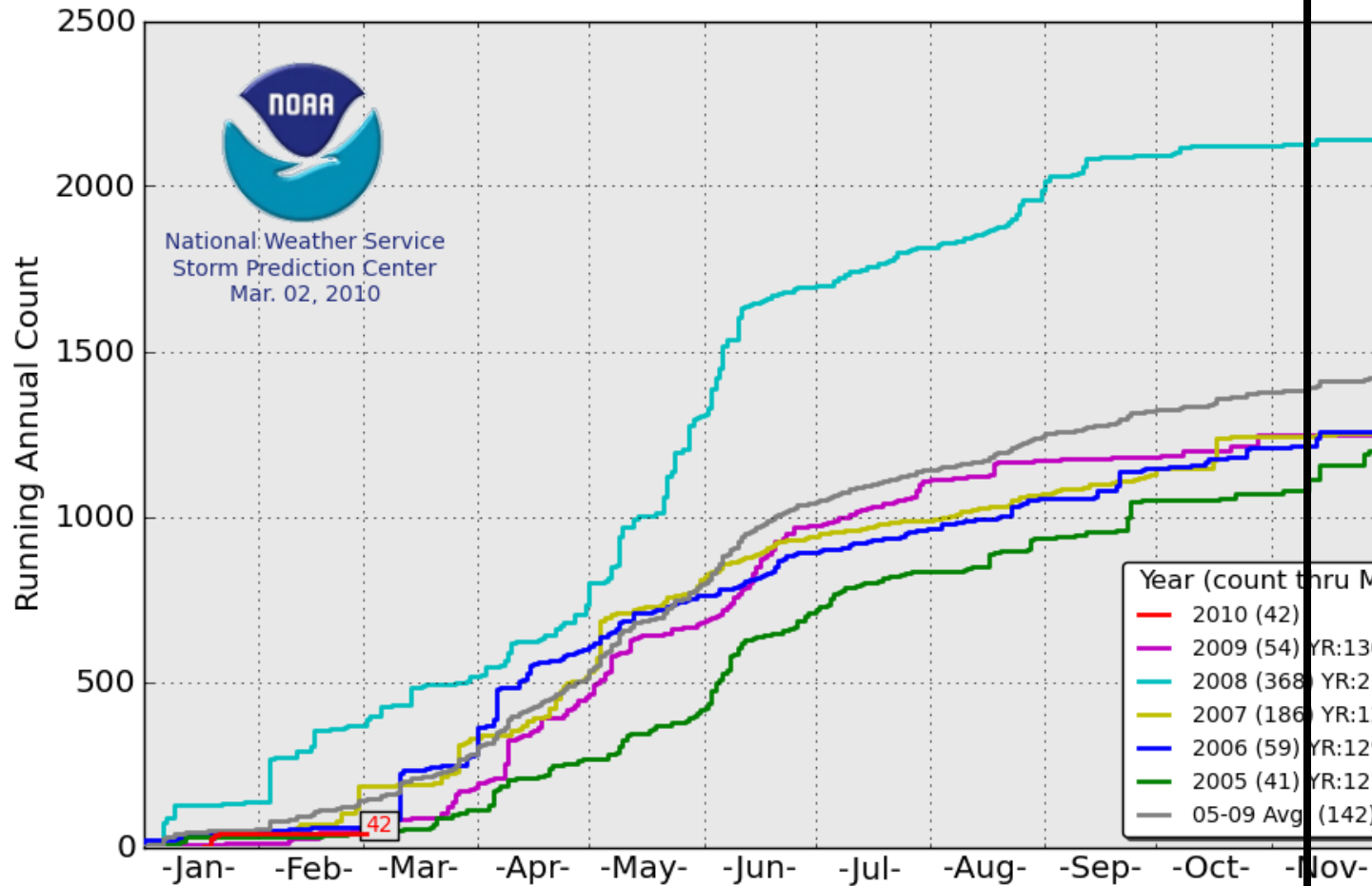
"[I] don't want to sort of leap into the larger meaning of, you know, inappropriately, but on the other hand, the weather service has told us we are going to have more and more intense storms," Kerry said. "And insurance companies are beginning to look at this issue and understand this is related to the intensity of storms that is related to the warming of the earth. And so it goes to global warming and larger issues that we're not paying attention to. The fact is the hurricanes are more intensive, the storms are more intensive and the rainfall is more intense at certain places at certain times and the weather patterns have changed."



Link to [video of Kerry here](#)

"For the first time ever recorded by NOAA, there have been no tornadoes in February. This news is from the National Severe Storms Laboratory in Norman, Oklahoma, the world's leading experts in tornado research. While it doesn't tell us anything about the rest of the 2010 season, it is consistent with the lower numbers seen in 2009, which is below the average of recent years."

United States Annual Trend of LSR Tornadoes*



*Preliminary tornadoes from NWS Local Storm Reports (LSRs)
Annual average is based on preliminary LSRs, 2005-2009

Above from wattsupwiththat.com

Don Shaw

M. EPA to raise threshold for major GHG sources in initial regulations

The Environmental Protection Agency will raise the reporting threshold to at least 75,000 tons annually and maybe more than 100,000 tons annually for stationary sources of greenhouse gases during the first stage of regulations between 2011 and 2012, according to Administrator Lisa Jackson. Speaking before a Senate appropriations subcommittee, Jackson said that "it will

probably be at least two years before we would look at something like, say, a 50,000 [tons-per-year] threshold." [The Wall Street Journal](#) (3/3)

N. Environmental Engineering Division Speakers List

The Environmental Engineering Division announces the development of Environmental Speakers list. The listed speakers agree to participate as invited guests at ASME section meetings. The speaker's out of pocket expenses will be borne by the host ASME meeting Section. Please contact Martin Edelson, mce1@mac.com, for speaker reservations. We invite other potential speakers to join the Speakers List by contacting Martin Edelson [mce1@mac.com].

<http://www.eandp-environment.net/Transportation/Transportation020610.pdf>

**Regards
George**