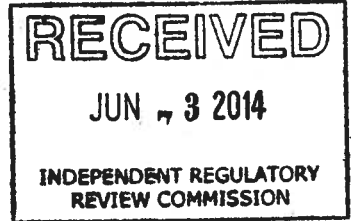


3052

May 31, 2014



Environmental Quality Board of the Commonwealth of Pennsylvania
Proposed Rulemaking for Additional RACT Requirements for Major Sources of NOx and VOCs.
Rachel Carson State Office Building
400 Market Street Harrisburg, Pennsylvania

Dear Sir,

I have enclosed the written list of scientific articles which I read at the meeting of the Environmental Quality Board on May 29th, 2014. Please attach this document to my voice recorded comments.

Thank you very much,

A handwritten signature in cursive script that reads "Craig Jurgensen".

Craig Jurgensen, M.D.



CRAIG JURGENSEN
38 Bullock Circle
Carlisle, PA 17015

Air pollution and the CNS - scientific literature (partial list)

The Hidden Toll of Traffic Jams – Scientists link air pollution with brain-cell damage and higher rates of autism. Wall Street Journal (University of Southern California) November 8, 2011

Effect of prolonged exposure to diesel engine exhaust in different regions of the brain. Particle and fiber toxicology (proinflammatory markers) July, 2010

Air pollution: Mechanisms of neuroinflammation and CNS disease. Trends in Neuroscience September 2009. (NIH Public Access report)

Traffic-related air pollution and cognitive function in a cohort of older men. Environmental Health Perspectives. May 2011

Long-term exposure to traffic-related particulate matters impairs cognitive function in the elderly. Environmental Research. Vol 109 (8)

Brain inflammation and Alzheimer's pathology in individuals exposed to severe air pollution. Society of toxicologic pathology October 1, 2004

Ambient air pollution and risk of acute ischemic stroke. Archives of Internal Medicine 2012 (vol 172)

Neurobehavioral effects of ambient air pollution on cognitive performance in US adults. Journal of Neurotoxicology 2009 (Vol 30)

Study links autism with prenatal exposure to air pollution. Environmental Health Perspectives. 3/2014
Environmental group found 200 industrial chemicals in umbilical cords.

New research links autism with air pollution. University of S. California School of Medicine 12/13

Autism related to air pollution. A national study. Environmental Health Perspectives 3/2014 Found that industrial chemicals are neurotoxic.

Scientists link childhood autism with air pollution. Computational Biology 2013.

Time Magazine Nov 2012. Studies show in utero exposure to industrial emissions raises risk of autism. Studied 500 children and the residence of their mothers while pregnant. Nov 2012

US News and World Report Nov 2012. Using data from California childhood autism risk study. Found families 1000 feet from freeway are at most risk.

Fox News 3/2012. Found air pollution is linked to autism in a study of 524 children.

Prepared by Craig Jurgensen, M.D. for presentation to Environmental Quality Board meeting of May 29, 2014.