

## True Science for Government Leaders and Educators: Obama's U. S. Environmental Protection Agency Corruption

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### ABSTRACT

The U.S. Environmental Protection Agency (EPA) 2014, 2015 ruling that coal fly ash is *solid waste*, not *toxic waste*, and thus can be dumped into landfills and rivers is a travesty against human and environmental health. The following EPA changes should be made: • Coal fly ash must be deemed toxic waste, which it is; • Dispersal of toxic coal fly ash into the environment must cease; • Environment monitoring should be thorough, undertaken without prejudice, and include nano- and technologically created and/or modified substances; • Research should be undertaken to find ways to extract valuable resources from coal fly ash (China extracts aluminum); and, • The EPA must protect the environment, not purchase acquiescence through grant-giving. EPA grant-giving represents a direct conflict of interest and should cease. • Aiding and abetting poisoning the air we breathe, the water we drink, and perverting the natural processes that make life on Earth possible is diabolically contrary to American principles expressed in the Declaration of Independence as "Safety and Happiness" and in the U. S. Constitution as "general Welfare." The EPA, I posit, should be fundamentally changed to make human and environmental health its paramount priorities, or else the EPA should be legislated out of existence.

**Keywords:** Coal fly ash; Coal fly ash dumping; Particulate pollution; Aerosol particulates; Geoengineering, Weather modification, Environmental warfare.

### INTRODUCTION

Unlike other federal regulatory agencies, the U. S. Environmental Protection Agency (EPA) did not begin *ab initio*, but was cobbled together in 1970 from parts of other agencies. Moreover, the EPA began its existence without a mission statement. As noted in 2007 by Gold [1],

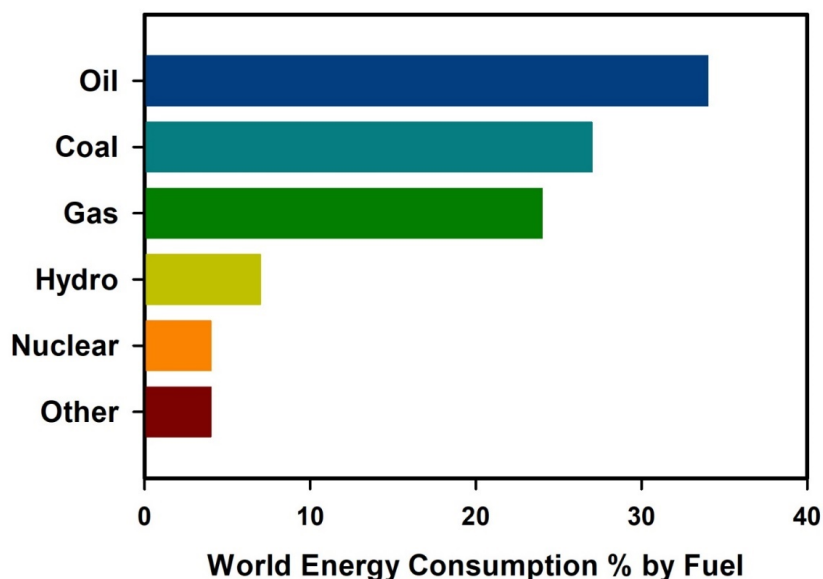
*"There is no single statement that defines to EPA's employees its mission, its credo, or its reason for being." Without such a statement of purpose, the EPA was ripe for political corruption.*

Political corruption has many faces and can take many forms. It is not my intent here to review the various politically corrupt ramifications over the EPA domain of authority. Rather, I focus on one regulatory ruling by the EPA during the Obama Administration whose consequences on human and environmental health are devastating. I further point out how the EPA has contributed to the

silencing of human and environmental health concerns by organizations that might otherwise express concerns about environmental trespass.

The progress of illumination technology provides a readily understandable example how over time technological improvements increase human benefits, while decreasing environmental harm. Consider the following historical progression: Firelight > Oil Lamps > Gas Lights > Incandescent Lights > Fluorescent Lights > LED Lights. Note that for a given amount of light, LED lights consume only about 10% as much energy as fluorescent lights, last much longer, and do not contain toxic mercury like fluorescent lights.

Modern civilization requires copious amounts of energy. The technology for energy production has not yet advanced to a level exemplified by the LED Lights in the above historical progression. The “green energy” option, which includes solar, wind-power, and the like, is insufficient to meet present-day global energy requirements, as shown in Figure 1.



**Figure 1. Global energy use in 2018, percentage by fuel [2]. “Other” includes solar, wind-energy, etc.**

Of the three dominant fuels; coal poses the greatest potential harm to human and environmental health and should necessitate the greatest EPA regulatory protection for the environment. But in 2014, 2015 an Obama Administration EPA ruling [3] perverted the concept of “environmental protection” by ruling that the toxic waste product of coal-burning, coal fly ash, is *solid waste* thus allowing it to be dumped in landfills and rivers. Under that ruling, the United States could become a toxic waste dump by importing other nations’ toxic coal fly ash. Perhaps it already has?

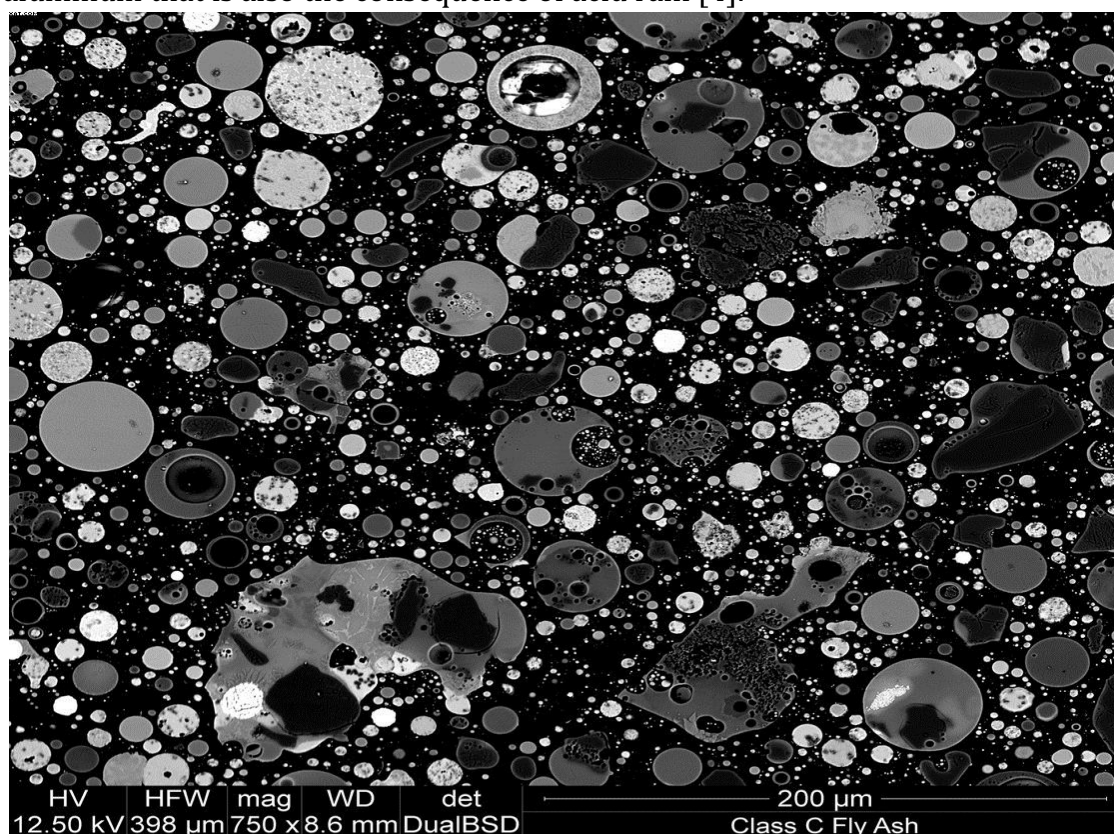
#### **OBAMA ADMINISTRATION’S PERVERSE EPA RULING**

Burning coal produces heat that is used to produce steam that drives turbines which turn generators that produce electricity. When coal is burned, the impurities in it form ash and gases. The heavy ash settles beneath the burner, while the light ash, called coal fly ash, exhausts along with the gases. In Western nations, including the United States, instead of exiting through smokestacks, the light ash and exhaust gases are trapped.

The exhaust gases from coal-burning (mainly sulfur dioxide and nitrous oxides) are trapped by "scrubbers." If allowed to escape they would combine with atmospheric moisture causing acid-rain [4], which can liberate forest-killing mobile-aluminum [5] from certain soils and mine tailings.

The coal fly ash particles, rather than exiting smokestacks, are trapped by filters, and sequestered in lined ponds. At least that was what was supposed to happen before the Obama Administration's perverse 2014, 2015 EPA ruling [3]. Previous EPA regulations required impounding coal fly ash. Nevertheless, spills, leakage, and wind-erosion have in instances contaminated ground water and the local environment [6], posing human and environmental health risks [7, 8]. Those risks include cancer clusters [9, 10], and risks to wildlife [11-13]. These unfortunate events are poignant reminders that coal fly ash is a toxic nightmare.

Coal fly ash (Figure 2) is a toxic mixture that contains by one count at least 38 different chemical elements, many highly toxic and/or carcinogenic, for example, arsenic, beryllium, cadmium, chromium, lead, mercury, selenium, thallium, and uranium with its radioactive daughter products [14]. Because of its formation in the unnatural environment above the burner, many of the elements of coal fly ash can be partially dissolved by water, including aluminum which forms the same toxic mobile-aluminum that is also the consequence of acid rain [4].



**Figure 2. Polished cross section of coal fly ash (ASTM C 618 Class C) embedded in epoxy. Sizes range down to 10 nanometers, i.e., 0.01 μm, which, if inhaled, are sufficiently small to enter the blood stream and brain. The overwhelming spherical morphologies are the consequence of the surface tensions of the melts during condensation from and agglomeration in the hot gas above the coal-burner. From [15].**

**Paradox #1**

Allowing toxic coal fly ash to be dumped directly into landfills and rivers is a political activity that would directly benefit coal-burning electric utilities. The 2014, 2015 EPA ruling [3] seems paradoxical in light of the Obama Administration's opposition to burning fossil fuels [16]. Clearly, other considerations were at play as described below.

Observant individuals will have no trouble seeing white trails across the sky, like those shown in Figure 3, that have increased in frequency, intensity, and geographic range over the last three decades, especially during the Obama Administration. These are not harmless ice-crystal contrails that quickly disappear by evaporation, as the public is being deceived [17-19]. No. These trails are made of fine particles that quickly spread out to become a white haze before falling to ground in a matter of days, along the way mixing with the air we breathe.



**Figure 3. From [20]. Dead Torrey Pines silhouetted against a sky corrupted by jet-emplaced particulate trails.**

Forensic scientific investigations have shown that the particulate matter jet-sprayed into the atmosphere is consistent with toxic coal fly ash. No wonder the Obama EPA ruled coal fly ash as *solid waste* [3], not *toxic waste* as scientific and medical evidence clearly indicates [15, 21-37]. The reason, I posit, is so that then Commander-in-Chief U.S. President Barack Hussein Obama could not be charged with wantonly and covertly allowing the United States Air Force (USAF) and its contractors, including commercial airlines, to jet-spray toxic waste into the air Americans breathe [26]. But make no mistake, the diabolical 2014, 2015 EPA ruling [3] is political-phony-baloney that clearly does not change the fact that coal fly ash is indeed *toxic waste*.



### **Harm to Human and Environmental Health**

Particulate pollution, and especially aerosolized coal fly ash, is extremely harmful to human and environmental health. As described in [38]:

*Combustion-derived spherical magnetite pollution nano-particulates, similar to those found in coal fly ash [39], are found in the brains of persons with dementia [40, 41]. Furthermore, reactive iron magnetic particulates were recently found in abundance in the hearts of persons from highly polluted areas [42].*

Air pollution is a major contributor to stroke, heart, and neurodegenerative disease [15, 40, 42, 43], lung cancer [32], COPD [33], respiratory infections [44], and asthma [45]. Particulate air pollution is a risk factor for cognitive decline [46-49], decreased male fertility [50], increased premenopausal breast cancer [51], and for Alzheimer's Dementia later in life [46]. Particulate air pollution is also a risk factor for Autism Spectrum Disorder in children [52, 53], and for children having cognitive defects [48, 49]. Recently, scientists and physicians have shown the likely association of aerosol PM<sub>2.5</sub> pollution with serious consequences of COVID-19 [54-56].

The pervasive environmental modification aerial particulate spraying is harmful to virtually all life on Earth, specifically, contributing to global warming [27], disrupting habitats [24], contaminating the environment with mercury [25], decimating populations of insects [34], bats [29], and birds [35], as well as killing forests [20], exacerbating wildfires [26], enabling harmful algae in our waters [36], and destroying the ozone layer that shields surface-life from the sun's deadly ultraviolet radiation [57].

### **USAF Involvement**

The USAF has long been interested in controlling the weather [58, 59]. Jet-spraying particulate pollution into the regions where clouds form is quite useful for that purpose.

Aerosol pollution particles are heated by solar radiation and by radiant energy from Earth, transfer that heat to the atmosphere, which increases atmospheric pressure, retards rainfall which causes droughts in one place and flooding in another as the overburdened clouds release their moisture, and reduces convective heat-loss from Earth's surface causing local and/or global warming [26, 27, 60-62]. Inflicted upon a perceived enemy, weather modification can surreptitiously cause crop failures and livestock devastation [23, 30, 31]. Particulates other than toxic coal fly ash might be used for these purposes, sometimes more efficiently. Why use toxic coal fly ash?

Coal fly ash formation in the hot gases above the burner imparts a uniquely useful property of military interest. When coal fly ash contacts water, even moisture in the atmosphere, a portion of many of its elements dissolve in the water, which makes the water more electrically conducting [14]. Making atmospheric moisture more electrically conductive allows the military to use directed electromagnetic radiation to move atmospheric weather masses, as shown in Figure 4.



**Figure 4. Example of electromagnetic radiation being used for weather manipulation. From [63].**

### **Paradox #2**

During the Obama Administration, the jet-spraying of particulates into American airspace ramped-up to a near-daily activity across the United States. Benefiting the military's desire and budget for this activity seems paradoxical in light of the Obama Administration's interest in military diminishment and decline in defense spending [64]. Clearly, other considerations were at play as described below.

### **GLOBAL ENVIRONMENTAL WARFARE**

Aerosol trails, such as shown in Figure 3, are not confined to the United States, but are observed worldwide, as the examples shown in Figure 5 illustrate.



**Figure 5. Deliberate jet-emplaced particulate trails, clockwise from top left Geneva, Switzerland; Karnack, Egypt; London, England; Danby, Vermont, USA; Luxemborg; Jaipur, India. The image at lower right shows the addition of carbon black trails, which are more efficient for atmospheric heating than coal fly ash.**

Clearly, there is more than simply U.S. military involvement. On October 5, 1978, the United Nations under the category of disarmament entered into force a Trojan horse international treaty, "Convention on the Prohibition of Military or Any Other Hostile Use of Environmental Modification Techniques" [65]. Precise legal analysis shows this treaty to be a sham [31]. Instead of its titular prohibition, said treaty mandates environmental modification for "*peaceful purposes*" where environmental modification is defined as



*“any technique for changing – through the deliberate manipulation of natural processes – the dynamics, composition or structure of the Earth, including its biota, lithosphere, hydrosphere and atmosphere, or of outer space.”*

Under guise of environmental improvement, evidenced as melting polar ice [66], the United Nations, globalists, and those duped by them are engaging in global environmental warfare against the United States of America and other sovereign nations. The natural environment cannot suffer large-scale modification without adversely causing “*widespread, long-lasting or severe effects*” on humans and other biota. Global environmental modification as described [38] is extremely hostile, not “*peaceful*” and rightfully should be considered global environmental warfare. The EPA is party to that activity, through its coal fly ash 2014, 2015 EPA ruling [3] and by enabling the silencing of environmental and public health organizations.

### STIFLING ENVIRONMENTAL PROTEST

The EPA, ostensibly created to protect the environment, has become an instrument to silence environmental protest. By providing grants, the EPA effectively silences organizations that might otherwise protest the aerial particulate spraying and its harm to human and environmental health. There is an ancient, but widely held dictum that applies universally to grant recipients: *Do not bite the hand that feeds you*. The following is a few of the many, many organizations that receive EPA grants: American Lung Association; Association of Schools of Public Health; Asthma and Allergy Foundation of America; Audubon Society; California Air Resources Board; Children’s Environmental Health Network; Earth Day Coalition; Habitat for Humanity International; Missouri Department of Health and Senior Services; and, National Fish & Wildlife Federation. There are many more organizations funded by the EPA and by other government agencies. Will any organization or individual bite the hand that feeds them?

### CONCLUSIONS

In a manner analogous to Ray Bradbury’s *Fahrenheit 451* fictive fire department that had devolved to the role of burning books, the EPA, under the Obama Administration, devolved into an organization that aided and abetted widespread and pervasive environment-poisoning. The EPA’s 2014, 2015 ruling that coal fly ash is *solid waste*, not *toxic waste*, which can be dumped into landfills and rivers, is a travesty against human and environmental health. The following EPA changes should be made:

- Coal fly ash must be deemed toxic waste, which it is.
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- Environment monitoring should be thorough, undertaken without prejudice, and include nano- and technologically created and/or modified substances.
- Research should be undertaken to find ways to extract valuable resources from coal fly ash. (China extracts aluminum).
- The EPA must protect the environment, not buy acquiescence through grant-giving. EPA grant-giving represents a direct conflict of interest and should cease.

Poisoning the air we breathe, the water we drink, and perverting the natural processes that make life on Earth possible is diabolically contrary to American principles expressed in the Declaration of Independence as “Safety and Happiness” and in the U. S. Constitution as “general Welfare.” The EPA,



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