12/18/08
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2009 FEB 11 PM 3:08
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attention:
Chief, Rules and Directive Branch
Division of administrative Services
Office of administration
Mailstop TWB-05-B07M
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

I, the undersigned:
Have had this idea of renewable fuel fired power plants in mind since the controversy of carbon dioxide damage to our environment began several years before the 8-13-07 heading date. I've been looking for a place to present the idea to some entity whom I thought could understand the reasoning behind it and weigh in the balance against the alternatives.
When I read your article in the January 5, 2009 Fort Worth Star Telegram it appeared to be a natural so I started writing.

Thank you for your Consideration
Sincerely, D. W. Cantrell

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Cover sheet

E-RIDS = ADM-03
Add = J. Fringer (JHF1)

SUNSI Review Complete
Template = ADM-013

8-13-07

Electric Power Plant Construction

The controversy continues World Wide Without regard for Whether atomic, Coal or Oil fired power plants there is a Problem that is dangerous for our World environment.

atomic Power Plants have a continual serious and exspensive disposal problem for atomic waste materials, as well as the danger of a meltdown like Chernobl in Russia or the damaged radio active cooling system at three mile island.

Coal fired power plants are the Worst environmental pollution hazard by contributing hundreds of thousands of tons of carbon dioxide particles into the atmosphere, soil and water. Still the ever increasing need for more and more electricity brings plans for construction of more coal fired plants, as well as atomic powered plants.

The term Gasification of coal offers a method of reducing the amount of carbon dioxide particles released the atmosphere but requires burying this carbon in deep Wells which extend into earth water Tables below the water tables which supply water for human consumption. The carbon deposited in these deep wells falls through the water and forms a crust of carbon at the bottom of the Water table. This procedure is supposed to be safe for the earth environment and can provide and can provide carbon disposal for a thousand years of coal gasification. at this point Gasified coal costs are about equal to oil fuel. Time alone will tell whether it will become harmful. Some scientist are concerned about so much magnetic carbon so close to the earths magnetic core which could cause irreparable damage to the earths magnetic core.

China is building coal fired power plants at an unprecitented rate and Scientest claim that the coal mined in China is the dirtyest in the world. So far there has been no mention of plans for stack scrubbers.

Most every thing in China which requires heat is done with coal, so China now has a near permanent cloud like layer of smog over the entire country which on a bright sun shiny day leaves a grey overcast like cloudy weather. Prevailing winds move the cloud off of China accross Japan and the Ocean. Weather conditions the cloud encounters such as temperature, moisture in the air and rain cause the pollution to fall in the ocean. Meteorologist in Alaska have detected a measureable amount of fall out on the coast of Alaska. Storms at times reverse direction and could cause this cloud to reach the east coast of the United States.

Most of what I've presented here is from the Popular Science Magazine articles and to have done a really professional job of presentation I should have the month of the publication and the article which contained the referenced information.

The solution to all these problems is available to the entire world and is simply use wood to fire our power plants. The results of such a proposal will immediately create a competition war. all industrial systems involved in supplying coal for Coal Fired Electric Power Plants as follows:

First the Coal Mine owners would have coal mines from which the product would be worthless. Next the Coal Miners would be out of work, then the Rail Roads which transport the coal would be idle, and the Power Plant owners without regard for wether Coal Fired, Oil Fired or atomic Powered would create an enormous cost to shut down plants and convert to Wood fired plants. atomic powered plants would require complete demolition then build Wood fired plants in their pace.

There is record of one coal fired power plant that was converted to a hay fired plant. This small island is about three and half miles off the northern coast of Poland and is considered to be a part of mainland Poland The island population of approximately thirty five people mostly farmers who raised hay to sell to mainland Poland to earn money to buy coal to run their coal fired power plant, and to also buy food items that they could not raise on the island because of the short growing season. They also had to buy processed items like vinegar, sugar cooking oil and shortening, and spices.

The population of Pole island was aware, as is the rest of the world population about the damage that carbon dioxide causes but they were the first ones to do something about it. Since they produced so much hay they hired agricultural specialist to manage the island hay production to avoid wearing out the soil so nothing would grow there

So where they had been selling their excess electricity production and hay to mainland Polan for cattle feed, they made arrangements with Polan to shutdown their power plant and buy all of their electricity from mainland Poland while they modified their coal fired power plant to burn hay. They hired engineers to determine how to modify the heating system and assure that the island hay supply was adequate to supply the hay for a hay fired power plant. That assured they shutdown the power plant and spent almost a year rebuilding the plant to burn hay. They stored enough hay to make sure they had enough for startup and maintenance. When they brought the power plant back on line it was so much more efficient than before that it had more electricity to sell to mainland Poland than before the conversion and still had enough hay that they could sell more hay than before for cattle feed.

There is an enormous amount of wood products available to supply fuel for wood burning power plants. Sometime ago TXU published an article in the Fort Worth Star Telegram that said on any given day they would have an average of about sixty trucks each day equipped with power chippers and crews to operate them to cut tree limbs away from power lines. Each truck has a box body that will hold one and a half to two tons of wood chips and make two trips each day to the land fill. Spring and summer will provide more folage than fall and winter. So if we do some rounding off numbers for the year that will provide some averages for the year that will provide reasonable working numbers. Each truck making two loads each day with one and one half tons per load makes three tons per day per truck. makes fifteen tons per week (not counting emergency extra hours) per truck X 260 weeks. 260 weeks X 900 = 234,000 tons per year.

Two Hundred and Thirty Four Thousand tons of wood chipps per year is a lot of fuel for a wood fired power plant. However one Hundred Nineteen Commercial Tree Services listed in the Northeast Tarrant County phone book and all of the individual families twice a week grass cuttings during spring and summer and all of the brush and tree limbs that they personaly remove in a year then expand those figures to cover the whole county then the whole state and then all of the United States it makes Two Hundred and Thirty Four Thousand Tons of wood chipps look like one drop of water in one of the great lakes. Which means that there is enough wood related products to operate all of the wood fired power plants that the world needs and the carbon dioxide emissions are essentially zero.

I understand that most of Europes coal comes from the United States so we already know what would happen if any Nation tried to convert their atomic or coal-

- fired power plants to renewable fuel power plants. The multibillion dollar industries affected refuse to permit other countries to do business with that country until they abandoned their conversion efforts and continue producing their electricity in their usual manner.