

TurkeyPointCEm Resource

From: Anna Louise Fulks [alfulks@earthlink.net]
Sent: Friday, May 22, 2015 12:56 PM
To: TurkeyPointCOLEIS Resource
Subject: Nuclear plants

Good afternoon Ladies and Gentlemen:

Attached is a list of Nuclear power station accidents and incidents with the IAEA description for your information and before any approval is given for two new nuclear reactors.

Comes now the NRC drafting two new reactors located off Biscayne and Everglades National Parks. . . what are they thinking? NRC is planning three new sets of power lines to run across and through the eastern section of Everglades National Park. I need not remind you of the 1992 nuclear reactors at Turkey Point which took a direct hit from Hurricane Andrew. . . READ THE DATA.

I would suggest to you that Florida, the Sunshine State, follow the lead of Spain and Germany whose solar energy is world renown and they are not located in a subtropical country where there is an abundance of sunshine. I would also be so bold to suggest to you that you contact Dr. Harold R. Wanless, Professor and Chair, Department of Geological Sciences at the University of Miami regarding the increase sea level rise in our State.

The NRC. . . including Florida Power and Light. . . need to return to the draft board to come up with a better solution for Florida's energy needs. . a clue would also be the Biscayne Aquifer with its surrounding limestone which is important to our drinking water. Nuclear reactors are not the answer especially when there is a liability as noted by the International Atomic Energy Authority Data Summary listed below.

**Anna Louise Fulks
717 Santander Avenue
Coral Gables, Florida 33134-6524
Telephone: 305 446-7420
email: alfulks@earthlink.net**

International Atomic Energy Authority

Data summary

Nuclear power station accidents and incidents

Year	Incident	INES level	Country	IAEA description
2011	Fukushima	5	Japan	Reactor shutdown after the 2011 Sendai earthquake and

Nuclear power station accidents and incidents

Year	Incident	INES level	Country	IAEA description
2011	Onagawa		Japan	tsunami; failure of emergency cooling caused an explosion Reactor shutdown after the 2011 Sendai earthquake and tsunami caused a fire
2006	Fleurus	4	Belgium	Severe health effects for a worker at a commercial irradiation facility as a result of high doses of radiation
2006	Forsmark	2	Sweden	Degraded safety functions for common cause failure in the emergency power supply system at nuclear power plant
2006	Erwin		US	Thirty-five litres of a highly enriched uranium solution leaked during transfer
2005	Sellafield	3	UK	Release of large quantity of radioactive material, contained within the installation
2005	Atucha	2	Argentina	Overexposure of a worker at a power reactor exceeding the annual limit
2005	Braidwood		US	Nuclear material leak
2003	Paks	3	Hungary	Partially spent fuel rods undergoing cleaning in a tank of heavy water ruptured and spilled fuel pellets
1999	Tokaimura	4	Japan	Fatal overexposures of workers following a criticality event at a nuclear facility
1999	Yanangio	3	Peru	Incident with radiography source resulting in severe radiation burns
1999	Ikitelli	3	Turkey	Loss of a highly radioactive Co-60 source
1999	Ishikawa	2	Japan	Control rod malfunction
1993	Tomsk	4	Russia	Pressure buildup led to an explosive mechanical failure
1993	Cadarache	2	France	Spread of contamination to an area not expected by design
1989	Vandellos	3	Spain	Near accident caused by fire resulting in loss of safety systems at the nuclear power station
1989	Greifswald		Germany	Excessive heating which damaged ten fuel rods
1986	Chernobyl	7	Ukraine (USSR)	Widespread health and environmental effects. External release of a significant fraction of reactor core inventory
1986	Hamm-Uentrop		Germany	Spherical fuel pebble became lodged in the pipe used to deliver fuel elements to the reactor
1981	Tsuraga	2	Japan	More than 100 workers were exposed to doses of up to 155 millirem per day radiation
1980	Saint Laurent des Eaux	4	France	Melting of one channel of fuel in the reactor with no release outside the site
1979	Three Mile Island	5	US	Severe damage to the reactor core
1977	Jaslovské Bohunice	4	Czechoslovakia	Damaged fuel integrity, extensive corrosion damage of fuel cladding and release of radioactivity
1969	Lucens		Switzerland	Total loss of coolant led to a power excursion and explosion of experimental reactor
1967	Chapelcross		UK	Graphite debris partially blocked a fuel channel causing a fuel element to melt and catch fire

Nuclear power station accidents and incidents

Year	Incident	INES level	Country	IAEA description
1966	Monroe		US	Sodium cooling system malfunction
1964	Charlestown		US	Error by a worker at a United Nuclear Corporation fuel facility led to an accidental criticality
1959	Santa Susana Field Laboratory		US	Partial core meltdown
1958	Chalk River		Canada	Due to inadequate cooling a damaged uranium fuel rod caught fire and was torn in two
1958	Vinča		Yugoslavia	During a subcritical counting experiment a power buildup went undetected - six scientists received high doses
1957	Kyshtym	6	Russia	Significant release of radioactive material to the environment from explosion of a high activity waste tank.
1957	Windscale Pile	5	UK	Release of radioactive material to the environment following a fire in a reactor core
1952	Chalk River	5	Canada	A reactor shutoff rod failure, combined with several operator errors, led to a major power excursion of more than double the reactor's rated output at AECL's NRX reactor

Federal Register Notice: 80FR12043
Comment Number: 1393

Mail Envelope Properties (DE4F618E73E0489A95B67FD4F584A271)

Subject: Nuclear plants
Sent Date: 5/22/2015 12:55:37 PM
Received Date: 5/22/2015 12:55:49 PM
From: Anna Louise Fulks

Created By: alfulks@earthlink.net

Recipients:
"TurkeyPointCOLEIS Resource" <TurkeyPointCOLEIS.Resource@nrc.gov>
Tracking Status: None

Post Office: HPHIGHTECH

Files	Size	Date & Time
MESSAGE	5475	5/22/2015 12:55:49 PM

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received: