

DOCKET NUMBER

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John M. Penxa
Penxa's Research Center
Stalwart, Mich. 49789

Sept. 3 - 1971

Atomic Energy Commission
Safety & Licensing Board
Washington D.C. 20545

Gentlemen:

a system has been developed for Emergency Core Cooling. This system is safe. I not blow up any Atomic Plant.

The system has been tested on one of my Models at my Research Center. In fact it worked very well.

also Now since the Heat from Atomic Power Plant's has been conquered. It would be safe now to Construct 1000 Nuclear Plants all along our River and Rivers. with Penxa's Cooling system only.

The Subject of Magnetohydrodynamics, I see in the Wall Street Journal and the United States Department let out a Contract to the Aero Corp, in Everett, Mass. of \$2.7 million, to develop an Electric City Generator without any moving Parts. It will use a high temperature Ionized Gas as a conductor. Plus a Magnetic field, and use coal for the heat. Secretary Rogers Morton states it's a pollution reducer. He is wrong.

My Evaluation of Magnetohydrodynamics. not Practical.

1. The \$2.7 million of the Tax Payers money is spend foolishly.
2. It will burn coal to produce the heat - coal will pollute the air.
3. It must buy Electricity to produce the Magnetic field.
4. Or have its own Generators - transformers - coils etc. to produce Electricity.
5. The system must use Ionized Gas as a conductor, more cost.
6. The Aero Corp. can't put more Energy into this system then it gets out.
7. Research on this system is foolish and not Practical, waste of millions.
8. The Aero Corp, thinks they will get something for nothing, I would not give them \$2.7 for this Research - because it's not worth it.

I've developed a safe Cooling system for Nuclear Plants, that will control Thermal Pollution, Fog Pollution, Radioactive Leaks, Radioactive Fog etc. also an Emergency Core Cooling system. I got no help from the Government & Detroit Edison - Cities and Power Co, or Dow Chemical Company. But I've made the big discovery, without it many Nuclear Plants will never get started. The ones already started are dangerous in many ways. my cooling system will make future Nuclear Plants safe. 95%
Respectfully, John M. Penxa

Penxa's Research Center
Stalwart, Michigan

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BUCKET NUMBER

2000 & HTL, INC. 50-329,330

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14 OCT 1971

CORPORATE REPORT

OF THE NINTH FEDERAL RESERVE DISTRICT

JULY 21 1971

The Plastic discs will break up in water. This system is not the answer for Nuclear Power Plants. Penna's Research Center has the answer. Stalwart, Michigan 49789

Must handle 1,400 to 2,000 discs per hour

Cherne Industrial, Inc., Minneapolis, began testing its new water cooling device for electric power plants last week at the 550,000-kilowatt Allen S. King generating station run by Northern States Power Co. at Bayport, Minn.

According to President Lloyd G. Cherne, nine of his firm's Thermal Control Rotors have been installed at the King plant for the test, which will run for three months to collect data for southern utilities, and then through the winter months to provide additional data for northern power companies. The nine units are installed in a holding pond at the King plant, and if proven successful, could enable power companies to greatly reduce the size of cooling ponds and eventually take the place of cooling towers at generating stations, Mr. Cherne says.

The project is being financed by 23 utility companies around the S.U.S.

Heart of the cooling system is a floating unit containing a series of 15 spinning plastic discs 24 inches in diameter, rotating on a horizontal shaft. The unit will float partially submerged in the power plant condenser discharge water which flows into ponds, canals or rivers. As the disc spins, it throws water into the air resulting in rapid cooling. A controlled speed of 583 revolutions per minute, Cherne engineers say, will result in maximum cooling efficiency. The system will work in nuclear plants, and Mr. Cherne estimates that a plant the size of NSP's Monticello station might use between 1,200 and 1,400 of the cooling units.

Cooling Towers not the answer.

This system will cost \$100,000 per unit.

Evolution by John M. Roper

This cooling system is not practical. to distribute. Operating cost high - No end to maintenance. It will sink in time. Discs and all will break up in water so never it will work.

science

news

SCIENCE SERVICE INCORPORATED □ 1719 N STREET, N. W. □ WASHINGTON, D. C. 20036

August 24, 1971



Mr. John M. Penxa
Penxa's Research Center
Stalwart, Mich. 49789

Dear Mr. Penxa:

Thank you for your letter of August 6.

If you have discovered an answer to the problem of thermal effects from powerplants, that is indeed significant.

Before SCIENCE NEWS could report on it, we would have to have more details--if not precise design details at least some indication of the principles of its operation.

Thank you again for writing.

Sincerely,

Richard Gilluly
Richard Gilluly
Environmental Sciences Editor

RG/eg

UNITED STATES OF AMERICA
ATOMIC ENERGY COMMISSION

In the Matter of)
)
CONSUMERS POWER COMPANY)
(Midland Plant, Units 1 and 2))

Docket Nos. 50-329, 330

9-22-71

CERTIFICATE OF SERVICE

I hereby certify that copies of a letter from Mr. Yore to Mr. Penxa dated September 22, 1971 with copies of incoming letters in the captioned matter have been served on the following by deposit in the United States mail, first class or air mail, this 22nd day of September 1971:

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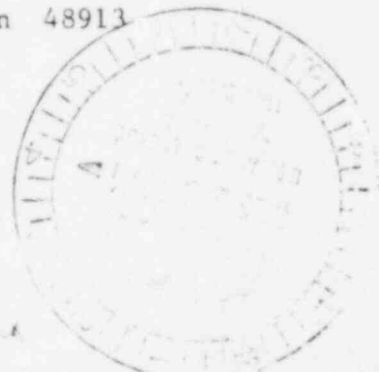
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