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 AUTH. NAME AUTHOR AFFILIATION
 KOBER, R. W. Rochester Gas & Electric Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 ZWOLINSKI, J. Operating Reactors Branch 5

SUBJECT: Forwards "Detailed Control Room Design Review Program Plan,"
 in response to Item 5 of requirements specified in Suppl 1.
 to NUREG-0737 & Item 2a of 840612 confirmatory order.

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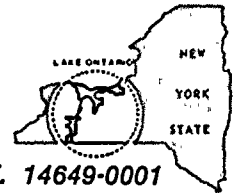
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1. H_2O is a polar molecule. The oxygen atom is more electronegative than the hydrogen atoms, so the oxygen atom has a partial negative charge (δ^-) and the hydrogen atoms have a partial positive charge (δ^+). This creates a dipole moment.

2. The hydrogen bonds between water molecules are responsible for many of its unique properties, such as its high boiling point and its ability to form a network of hydrogen bonds that gives it a high heat capacity.

3. The hydrogen bonds also give water a high surface tension, which allows it to form droplets and to rise in narrow tubes (capillary action).

4. The hydrogen bonds are also responsible for the fact that water expands when it freezes, which is why ice floats on water.



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ROGER W. KOBER
VICE PRESIDENT
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October 31, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. John Zwolinski, Chief
Operating Reactors Branch No. 5
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Control Room Design Review
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Zwolinski:

Enclosed are three copies of the R. E. Ginna Program Plan for the Control Room Design Review (CRDR). This submittal is in response to Item 5 of the requirements specified in Supplement 1 of NUREG 0737 and Item 2a of a Confirmatory Order dated June 12, 1984.

Very truly yours,

for 
Roger W. Kober

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PDR-ADOCK 05000244
F PDR

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