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 CRUTCHFIELD,D. Operating Reactors Branch 5

SUBJECT: Forwards addl info per 811230 commitment re SEP Topic
 III-4.C to provide evaluation of internally generated
 missiles during 1982 refueling outage. Valve operator CV5738
 in steam generator blowdown line should be restrained.

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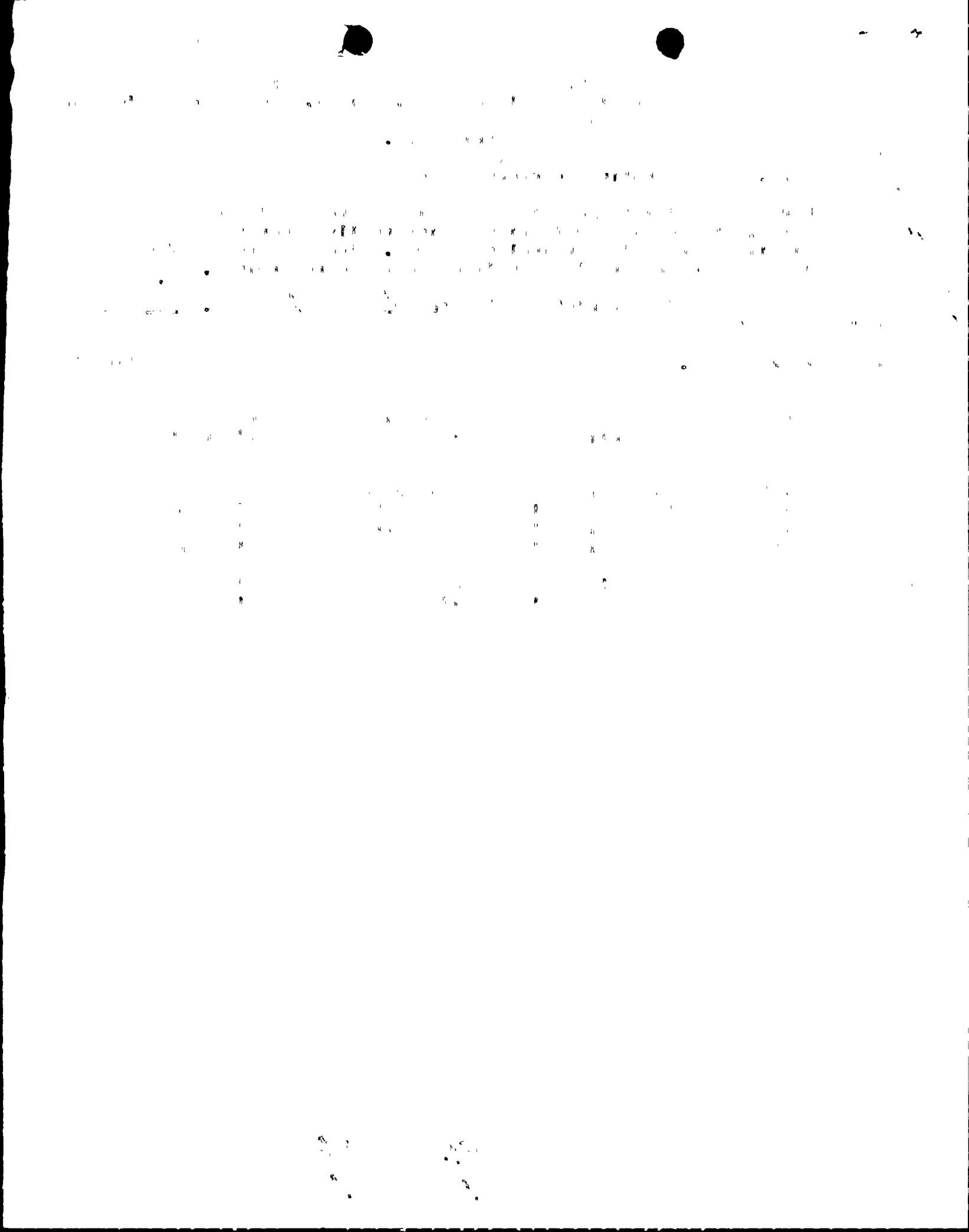
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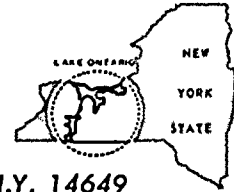
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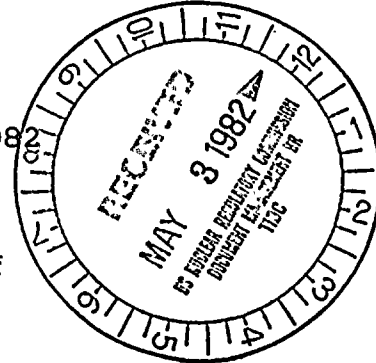


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April 27, 1982



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

Subject: SEP Topic III-4.C, Internally Generated Missiles
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Crutchfield:

By letter dated February 17, 1982, the NRC provided a Safety Evaluation Report concerning the subject SEP topic, based on RG&E's assessment dated December 30, 1981. In the December 30 report, RG&E noted that additional evaluation of internally generated missiles would be performed by us during the Spring 1982 refueling outage, to address any remaining open issues. The purpose of the attachment to this letter is to provide the promised information. This information can be used to supplement the evaluation of this topic during the Integrated Assessment for Ginna.

RG&E has determined that the operator for valve CV5738 in the Steam Generator Blowdown line should be restrained. All other concerns noted in RG&E's original assessment have been resolved based on inspection of valve location and orientation.

Very truly yours,

John E. Maier
John E. Maier

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Attachment: Resolution of Open Issues for
SEP Topic III-4.C, Internally Generated Missiles

1. In Section V.2.b, Emergency Core Cooling System (ECCS) of RG&E's December 30, 1981 assessment, it was stated that the ECCS would be capable of performing its safety-related function, even considering internally generated missiles, pending resolution of the location and orientation of valve 832B. An in-containment inspection performed April 19, 1982 verified that the valve stem was not oriented toward any safety-related equipment. Thus, even a postulated failure of the valve stem would not be of safety concern.

RG&E considers that this issue need not be further considered.

2. In Section V.2.d, Chemical and Volume Control System (CVCS) it was noted that only valves HCV133 and RV203 needed to be evaluated for potentially damaging effects. An in-containment inspection performed April 19, 1982 disclosed that these valves are located remotely from any safety-related cable trays, which is the only equipment considered to be of concern with respect to damage by potential CVCS letdown line missiles. Thus, it can be concluded that the potential for damage due to internally-generated missiles from the CVCS is not of safety concern.

RG&E considers that this issue need not be further considered.

3. In Section V.2.p, Refueling Water Storage Tank, it was noted that internally-generated missiles could potentially affect the tank. The April 19, 1982 inspection has disclosed that only valve stems associated with the Component Cooling Water and the Service Water Systems are oriented towards the RWST. As stated in Sections V.2.f and V.2.g of RG&E's December 30, 1981 assessment, the fact that both of these systems are low pressure, cold water systems would make it very unlikely that internally-generated missiles which could cause damage would occur. Therefore, RG&E concludes that the effects of potential internally-generated missiles on the RWST is not of safety concern.

RG&E considers that this issue need not be further considered.

4. In Section V.2.b, Steam Generator Blowdown, it was noted that further evaluation of the potential for the valve generator of valve CV5738 to become a missile would be made. RG&E considers it unlikely that this valve operator could become a missile. However, in order to provide further assurance that the potential failure would have no affect on safety-related components, RG&E plans to install a restraint on this operator.

The schedule for performing this modification will be determined during the Integrated Assessment.

