



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 15, 1997

Mr. J. V. Parrish  
Washington Public Supply System  
Chief Executive Officer  
3000 George Washington Way  
P.O. Box 968, MD 1023  
Richland, WA 99352

SUBJECT: WASHINGTON NUCLEAR PROJECT NO. 2 (WNP-2) DESIGN INSPECTION  
(NRC INSPECTION REPORT NO. 50-397/96-201)

Dear Mr. Parrish:

During the period from November 18 through January 16, 1997, the U.S. Nuclear Regulatory Commission's (NRC's) Office of Nuclear Reactor Regulation (NRR) performed a design inspection of the WNP-2 automatic depressurization system (ADS), standby service water (SSW) system, and train B of the residual heat removal (RHR) system. The purpose of the inspection was to evaluate the capability of the systems to perform safety functions required by their design basis, adherence to the design and licensing basis, and consistency of the as-built configuration with the Updated Final Safety Analysis Report.

The results of the inspection are contained in the enclosed report. Overall, the inspection team determined that the selected systems are capable of performing their intended safety functions. Your engineering staff exhibited knowledge of the systems evaluated, including the design basis, and provided excellent support to the inspection team.

One of the team's significant findings addresses a design deficiency that was introduced during the modification of the ADS, inadvertently defeating the intended manual initiation of the system. Other significant issues involved the RHR heat exchanger operability assessment based on data from faulty instruments, and the potential for exceeding the ADS actuator design pressure by initiating containment spray during post LOCA elevated containment temperatures.

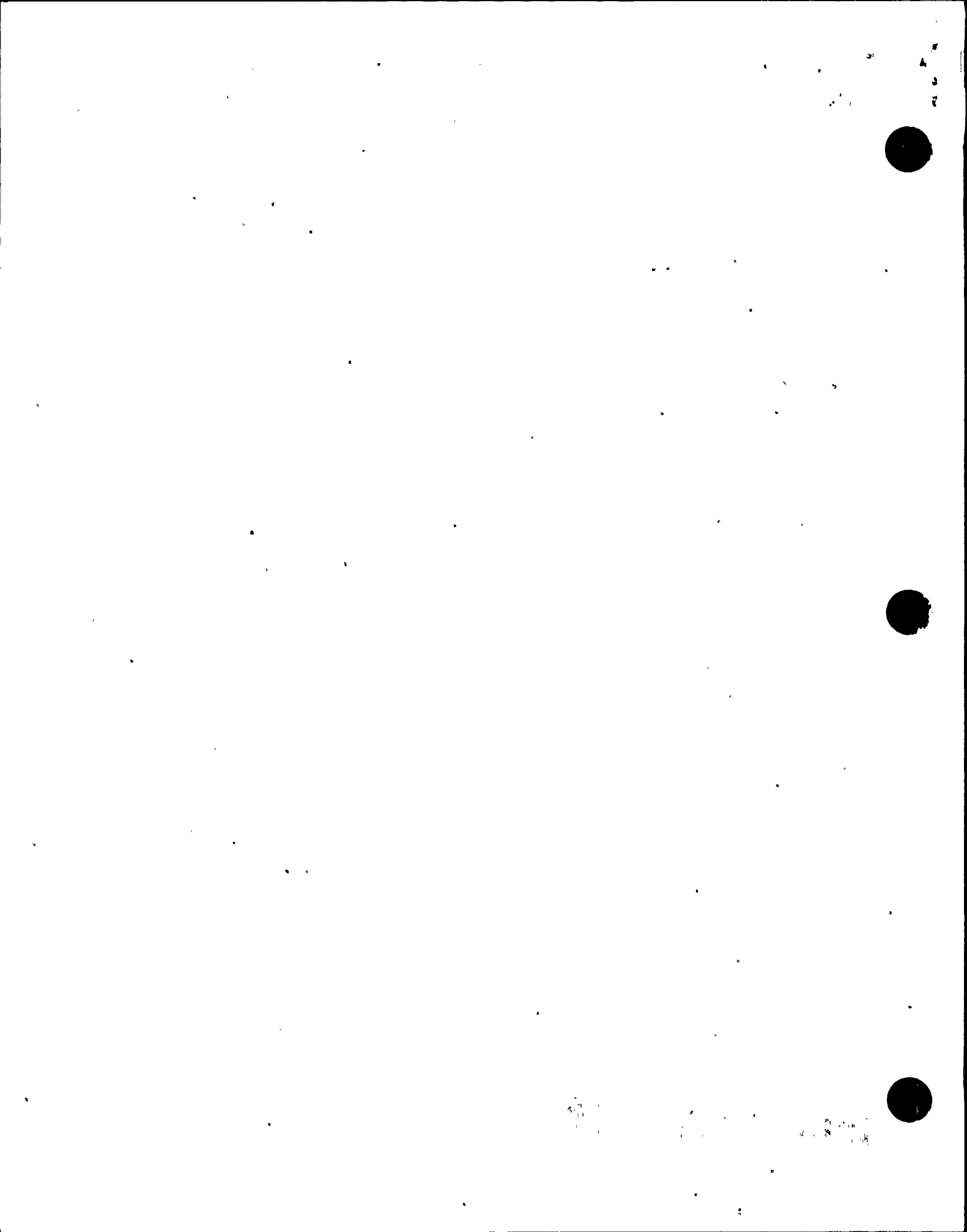
Many of the team's findings relate to your failure to keep the FSAR updated. Examples are, the ADS wiring modification and the removal of the SSW keepfull pumps from service. Your design review documents (DRDs) were of uneven quality. For example, the RHR document lacked important instrumentation and control (I&C) information.

Your staff has implemented corrective actions for many of the team's findings. Please provide a schedule within 60 days of your plans to complete your corrective actions for the open items listed in Appendix A to the report so the NRC staff can plan for the reinspection and closeout of these items.

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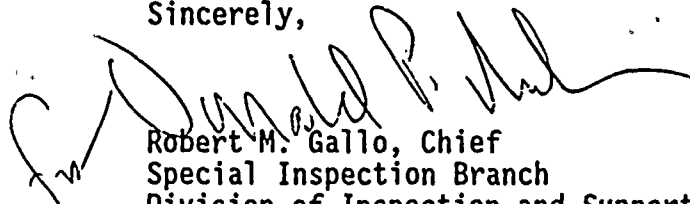
Mr. J. V. Parrish

-2-

As with all NRC inspections, we expect that you will evaluate the results of this inspection, and where applicable, apply the specific findings to other systems and components.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and inspection report will be placed in the NRC Public Document Room. Any enforcement action resulting from this inspection will be issued by the NRC Region IV office via separate correspondence. Should you have any questions concerning the enclosed inspection report, please contact Mr. Peter Koltay at (301) 415-2957.

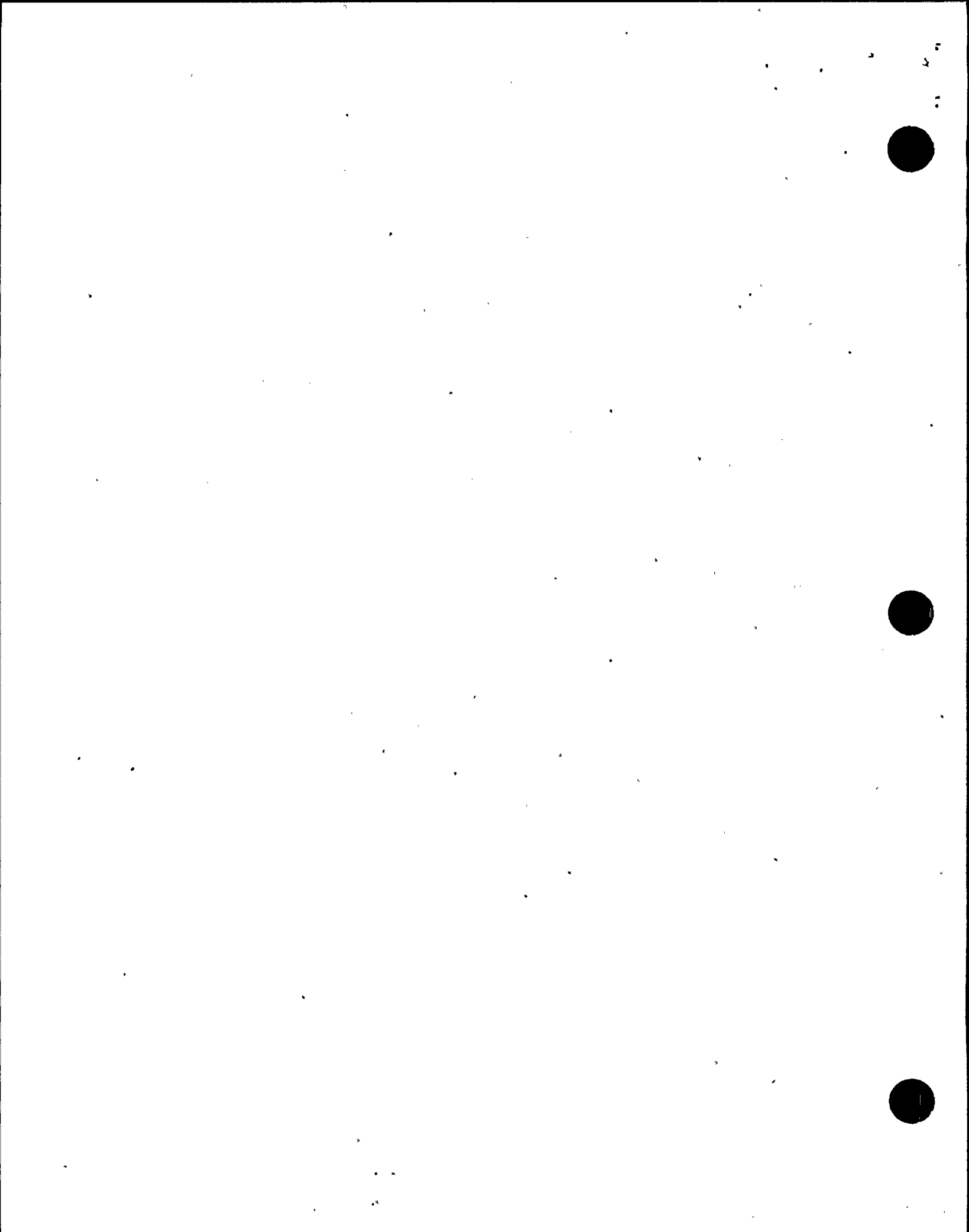
Sincerely,



Robert M. Gallo, Chief  
Special Inspection Branch  
Division of Inspection and Support Programs  
Office of Nuclear Reactor Regulation

Enclosure: Inspection Report No. 50-397/96-201

cc: See next page.



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- 3 -

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