



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

April 14, 2021

MEMORANDUM TO: Margaret M. Doane
Executive Director for Operations

FROM: Chairman Hanson

SUBJECT: THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
MEMORANDUM TITLED: "UNI-DIRECTIONAL
COMMUNICATIONS (NOT IMPLEMENTED IN SOFTWARE)
FROM HIGH SAFETY TO LOWER SAFETY SYSEMS AND
INTERNAL PLANT TO EXTERNAL SYSTEMS CONNECTED TO
THE INTERNET"

On March 31, 2021, Chairman Sunseri of the Advisory Committee on Reactor Safeguards (ACRS) provided me a memorandum titled, "Uni-Directional Communications (Not Implemented in Software) From High Safety to Lower Safety Systems and Internal Plant to External Systems Connected to the Internet." In this memorandum, Chairman Sunseri stated that Commission direction to the staff is needed to assure, during design reviews, that only uni-directional hardware-based data communications mechanisms are used when there are communications between High Safety-Significance systems and those of Lower Safety-Significance.

I direct the NRC staff to undertake a review and within 90 days provide the Commission information on how the issues raised by the ACRS have been addressed. If the staff determines that no regulatory actions are warranted, the staff should provide the Commission with the staff's basis for that conclusion.

cc: Commissioner Baran
Commissioner Caputo
Commissioner Wright
A. Vietti-Cook, SECY
M. Zabler, OGC
S. Moore, ACRS
M. Sunseri, ACRS

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TITLED: "UNI-DIRECTIONAL COMMUNICATINS (NOT IMPLEMENTED IN
SOFTWARE) FROM HIGH SAFETY TO LOWER SAFETY SYSEMS AND
INTERNAL PLANT TO EXTERNAL SYSTEMS CONNECTED TO THE INTERNET"
DATED: APRIL 14, 2021

OFFICE	COS	OCM
NAME	MMarsh /RA/	Chanson /RA/
DATE	4/14/21	4/14/21