

March 20, 2006

MEMORANDUM TO: Roberta S. Warren, Chief
Intelligence Liaison and Threat Assessment Branch
Division of Security Operations
Office of Nuclear Security and Incident Response

FROM: Allen G. Howe, Chief */RA/*
Instrumentation and Controls Branch
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: TECHNICAL REVIEW OF TSWG/DETO REPORT ON RADIO
FREQUENCY WEAPONS

By Memorandum dated March 8, 2006, from Roberta S. Warren of the Office of Nuclear Security and Incident Response (NSIR) to Allen G. Howe of the Office of Nuclear Reactor Regulation (NRR), the Intelligence Liaison and Threat Assessment Branch requested a review of a recently published report from the Technical Support Working Group and the Directed Energy Technology Office, on *The Threat of Radio Frequency Weapons to Critical Infrastructure Facilities*.

The Instrumentation and Controls Branch has conducted the requested review. The review is considered safeguards information, and therefore is being transmitted separately. In general, NRR has determined that nuclear power plants have some protection against radio frequency weapons, and may not be as vulnerable as other infrastructure targets. This protection is limited, however, and a radio frequency weapon attack can not be eliminated as a potential threat. NRC and nuclear power plants should be aware of the threat, and make the appropriate plans to reduce the possibility of an attack, and to mitigate the consequences of a radio frequency weapon attack.

If there are any questions concerning this review and evaluation, please contact Paul Loeser at 415-2825.

Transmitted Separately: Review and Evaluation of "The Threat of Radio Frequency Weapons to Critical Infrastructure Facilities" published by the Technical Support Working Group and the Directed Energy Technology Office

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