

DEC 16 1993

MEMORANDUM FOR: Charles Z. Serpan, Jr., Chief
 Engineering Issues Branch
 Division of Safety Issue Resolution

FROM: Warren Minners, Director
 Division of Safety Issue Resolution
 Office of Nuclear Regulatory Research

SUBJECT: IDENTIFICATION OF NEW GENERIC ISSUE: HYDROGEN STORAGE
 FACILITY SEPARATION

Generic Issue 106, "Piping and Use of Highly Combustible Gases in Vital Areas," was resolved with the issuance of Generic Letter 93-06 on October 25, 1993. The resolution of this issue included evaluation of the risk from: (1) the storage and distribution of hydrogen for the volume control tank in PWRs and the main electric generator in BWRs and PWRs; (2) other sources of hydrogen such as battery rooms, the waste gas system in PWRs and the offgas system in BWRs; and (3) small, portable bottles of combustible gases used in maintenance, testing, and calibration. However, as noted in the Generic Letter, the potential risk from large storage facilities outside the reactor, auxiliary, and turbine buildings was not addressed. Therefore, this memorandum identifies this concern as a new generic issue entitled "Hydrogen Storage Facility Separation" for processing by EIB in accordance with RES Office Letter Nr. 1. Background information for this issue includes Generic Letter 93-06 and its associated documentation: NUREG-1364 and NUREG/CR-5759.

ORIGINAL SIGNED BY

Warren Minners, Director
 Division of Safety Issue Resolution
 Office of Nuclear Regulatory Research

DISTRIBUTION:

Central Files
 DSIR c/f
 EIB r/f
 W. Minners
 C. Serpan
 P. Norian
 R. Emrit
 DCS
 PDR

MS FILE CENTER COPY

002077

RD-5 (Generic Items/Issues)
X RD-16-6A (Hydrology)
X RD-5 R-5 (Information/Generic)
(Piller)

210048

DSIR/EIB
 REmrit:jf
 12/14/93

RC

PN
 DSIR/EIB
 PNorian
 12/15/93

CS
 DSIR/EIB
 CSerpan
 12/15/93

WM
 DSIR/EIB
 WMinners
 12/16/93

"OFFICIAL RECORD COPY"

303 1/0