

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation and is basically all that is known by NRC staff on this date.

Facility: Arizona Public Service Co.
Palo Verde Unit 1
Wintersburg, Arizona
Docket No. 50-528

Licensee Emergency Classification:
____ Notification of Unusual Event
____ Alert
____ Site Area Emergency
X Not Applicable

SUBJECT: DAMAGE TO REACTOR COOLANT SYSTEM COMPONENTS

Preliminary Notification PNO-V-83-29, issued on 7/19/83, reported conditions discovered when inspecting reactor coolant system (RCS) components. Further inspections during the week of 7/18/83 disclosed additional failures of RCS and reactor coolant pump (RCP) components. Damage identified as of 7/22/83 is summarized as follows:

- ° Portion of impeller vane missing from 1B RCP.
- ° Portions of two impeller vanes missing from 2B RCP.
- ° Three diffuser capscrews missing, several others loose or broken.
- ° One suction pipe capscrew missing, several others loose or broken.
- ° Safety Injection thermal sleeve missing from RCS piping downstream of 1A RCP.
- ° Four cold leg resistance temperature detector (RTD) thermowells broken and missing, two others mashed or bent.
- ° One two-inch metal plug and 13 compression washers found in steam generators (identified as parts of a temporary pump vibration measuring assembly).
- ° Pitting (apparently due to cavitation) on upper leading edge of most diffuser vanes.

The licensee and affected vendors are still analyzing the damage and expect to have a preliminary assessment of corrective actions and projected schedule by the second week of August. The reactor vessel head is being removed on 7/26/83 after which the reactor vessel will be inspected. The RCPs were manufactured by KSB (West Germany).

No media interest has been expressed. Region V does not plan to issue a press release. It is expected that the licensee will make a press release if a significant schedule delay results. This information is current as of 9:00 a.m. on 7/26/83.

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DISTRIBUTION:

H St. <u>11:00</u>	MNBB <u>1:00</u>	Phillips <u>10:45</u>	E/W <u>10:52</u>	Willste <u>10:50</u>	Air Rights <u>1:00</u>
Chairman Palladino	EDO	NRR	IE	NMSS	
Comm. Gilinsky	PA		OIA	RES	Mail:
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Comm. Roberts	ELD				DOT: Trans Only
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Regions: I II III IV
INPO ✓ NSAC ✓
Resident Inspector 11:30 ✓
Licensee (Reactor): 12:16 ✓

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PDR I&E
PNO-V-83-029A PDR

RV: FORM 211
(revised 3/14/83)

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