

Date: June 9, 1993

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PN39332

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 the Region III staff on this date.

Facility: Quad Cities Unit 1
Docket Number 50-254

Licensee Emergency Classification
 General Emergency
 Site Area Emergency
 Alert
 Unusual Event
 N/A

Subject: FIVE WORKERS INJURED IN HPCI STEAM RELEASE DURING TEST

On June 9, 1993, at about 8:50 a.m. (CDT) five workers were injured when a "rupture disc" in the High Pressure Coolant Injection (HPCI) system ruptured during a routine surveillance test on the Unit 1 HPCI pump. The radioactively contaminated steam exhausted into the HPCI room. The five workers in the area received steam burns and minor skin contamination.

All five were taken to area hospitals for treatment. Four of the workers were treated and released. The fifth worker was treated for first and second degree burns over 20 percent of the body and is being treated in a burn unit. All individuals were decontaminated with only slight levels of contamination detected.

At the time of the accident, both units were in operation. Plant operations were not affected and the reactors remained at normal power levels. There was no measurable radioactive release from the plant associated with the incident.

A fire door between Unit 1 and Unit 2 was blown off its hinges and the inner secondary containment door to the affected HPCI room had a closure pin bent. The HPCI system isolated in about 15 seconds after receipt of the initial trouble alarms, terminating the release of steam into the HPCI room.

The bent pin on the inner secondary containment door was straightened and the door closed securely. The outer secondary containment door was initially blown open, but mechanically unaffected.

The cause of the rupturing of the rupture disk is not known. The licensee has quarantined the HPCI system and is starting a root cause investigation.

The NRC resident inspectors have been monitoring the licensee's response to the accident. Region III (Chicago) will dispatch three specialists to review the circumstances surrounding the accident and the licensee's response.

The licensee declared an Unusual Event under its emergency plan. The licensee has issued a news announcement. There has been area news media interest, and Region III is responding to inquiries.

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The States of Illinois and Iowa will be notified. The information in this preliminary notification has been reviewed with licensee management.

Region III was notified of this event at 9:15 a.m. on June 9, 1993, by the resident inspector. This information is current as of 1 p.m. on June 9, 1993.

CONTACT:

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