

NMC > Sites > Point Beach - Action Request > Corrective Actn Program (CAP) AR
Section 1

Activity Request Id: CAP055592
Activity Type: CAP Submit Date: 4/12/2004 4:04:33

One Line Description: EDACS software revision eliminated dose buffer control

Detailed Description: 4/12/2004 4:04:33 - SHANNON, DAN:
The recent revision to the Electronic Dosimetry Access Control System (EDACS) software eliminated the dose buffer control. In the original version of EDACS, a dose "buffer" control system would prevent a worker from logging in to EDACS (and the RCA) if he/she had less than 100 mrem of allowable dose above the RWP dose alarm setpoint. This feature was designed to prevent workers from exceeding the NMC administrative dose limits. Also, the new revision added an Alarm Safety Feature (ASF) which automatically reduces the worker's dose alarm setpoint to a preset percentage of their allowable dose. The ASF is currently set to 100, or 100% of the worker's allowable dose.

On 4/9/04, a contract worker was briefed and added to RWP 04-141, which is the RWP for the installation and removal of the S/G nozzle dams. This individual had previously arrived on site with an allowable dose (765 mrem) that was less than the RWP 04-141 dose alarm limit of 904 mrem. When this worker arrived on site, the dosimetry group had informed the project lead for the S/G nozzle dam installation of this situation and requested that he complete a dose extension for this individual so that his allowable dose would be above the RWP dose alarm limit. This dose extension was not completed by the project lead because it was assumed that this individual would not be needed for the S/G nozzle dam installation. On 4/9/04, however, this individual was needed for the nozzle dam work. He logged into the RCA on RWP 04-141, and his ED dose alarm was automatically set to his allowable dose of 765 mrem, not the RWP alarm setpoint of 904 mrem, because of the ASF in the revised EDACS software. The discrepancy between the worker's allowable dose and the RWP dose alarm limit was caught by the RPTs covering the S/G nozzle dam installation as they were preparing his whole body dosimetry paperwork, and the worker was directed to leave the RCA.

The time delay between identification of this issue and initiation of the CAP was needed to collect and understand the issue and take appropriate corrective actions.

Initiator:	SHANNON, DAN	Initiator Department:	PR Radiation Protection PB
Date/Time of Discovery:	4/9/2004 5:00:56	Date/Time of Occurrence:	4/9/2004 5:00:56
Identified By:	Site-identified	System:	(None)
Equipment # (1st):	(None)	Equipment Type (1st):	(None)
Equipment # (2nd):	(None)	Equipment Type (2nd):	(None)
Equipment # (3rd):	(None)	Equipment Type (3rd):	(None)

Site/Unit: Point Beach - Common

Why did this occur?: 4/12/2004 4:04:33 - SHANNON, DAN:
Recent revision to EDACS software removed the dose buffer controls and added an Alarm Safety Feature. Neither of these revisions were requested by PBNP nor were they listed on the ACS, EDACS program modifications description #2003-1621R dated May 9,2003.

Immediate Action Taken: 4/12/2004 4:04:33 - SHANNON, DAN:
1. Worker exited the RCA and did NOT exceed any administrative limits (completed 4/9/04)
2. Reviewed dosimetry records to determine if any other workers have less than 1 rem allowable dose (1 rem based on highest active RWP dose alarm setpoint). Four (4) workers (all contract workers) were identified and their RCA access suspended. Notified applicable contract liasons that extensions would be required prior to allowing these workers to restore RCA access (completed 4/11/04).
3. Initiated RP verification of allowable dose during EDACS login to ensure no workers enter RCA with allowable dose less than the RWP dose alarm limit (action initiated 4/11/04, nightshift).

Recommendations: 4/12/2004 4:04:33 - SHANNON, DAN:
IT group work with EDACS software vendor (MJW) to revise software as soon as possible to restore the dose buffer controls and remove the Alarm Safety Feature. Lack of this dose buffer

creates an error likely situation which will require constant vigilance and increased demand on RP resources to prevent an an ED dose alarm and administrative overexposure event.

Notify Me During Eval?: N SRO Review Required?: N

Section 2

Operability Status: NA **Compensatory Actions:** N

Basis for Operability: 4/12/2004 4:56:02 - HASTINGS, MARTIN:
Administrative concern not related to equipment operability.

Unplanned TSAC Entry: N **External Notification:** N