

April 16, 1975

limit is employed to avoid overexposure. At the time the contractor employe left the site, it had been determined from dosimeter readings that a total exposure of 2.46 rem was received at Point Beach Nuclear Plant, which was well within the allowed 15% margin. High exposures were expected since the radiation fields in the steam generator channel heads averaged 25 to 30 R/hour.

To monitor personnel working in the high-radiation areas, all entries, exposure timekeeping, and exposure data were continuously recorded by health physics personnel stationed at the entrance to the steam generator channel heads. Daily exposure summaries were maintained. New high-range pocket dosimetry devices were used. Drift and response checks were completed on these devices prior to use.

The contractor employe, in addition to the TLD monitoring devices issued at Point Beach Nuclear Plant, used a Company-issued TLD device. Results of this TLD device indicated a total exposure for the month of March to be 1.7 rem. Due to the high-radiation areas encountered and the work time in the areas, it is conservative to assume that the 3.1 rem exposure is correct and results in an actual quarterly overexposure of 0.100 rem. As a matter of interest, the contractor employe involved is the senior contractor supervisor who was in charge of the work being performed.

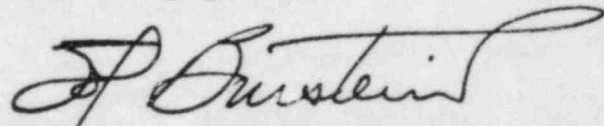
It is believed that all avenues of administrative approach to control radiation exposure in high radiation areas have been undertaken and no corrective action is required.

The discrepancies in the monitoring devices remain unanswered and the corrective action undertaken by Point Beach Nuclear Plant in this respect will be additional surveillance of the vendor's TLD analysis programs. No other occasions of discrepancy between pocket dosimetry devices and TLD results beyond the 15% margin have been experienced.

As an additional measure to prevent a recurrence of this type event, redundant high-range pocket dosimetry devices will be incorporated as part of the requirements for high-radiation area entries of this type.

Very truly yours,

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PDR ADOCK 05000266  
S PDR



Executive Vice President

Sol Burstein

Copy to Mr. James G. Keppler, Regional Director  
Directorate of Regulatory Operations, Region III

POINT  
BEACH nuclear plant  
TWO CREEKS WIS.

POSTAL ROUTE 3, TWO RIVERS, WISCONSIN 54241

April 10, 1975

Mr. Fred Gerardine  
17 National Drive  
Pittsburgh, PA 15236

Dear Mr. Gerardine:

REPORT OF EXPOSURE TO RADIATION IN EXCESS OF APPLICABLE LIMITS  
SOCIAL SECURITY NO. 168-26-6468  
DATE OF BIRTH: MARCH 10, 1933

Data obtained by personnel monitoring equipment and/or survey indicate that you were exposed to 0.100 rem of radiation to the whole body in excess of the applicable limits in 10 CFR 20.

Your exposure for the period March 4, 1975 to March 28, 1975 was determined to be 3.1 rem. Questions concerning this report should be directed to the Radiochemical Engineer or Health Physicist at the Point Beach Nuclear Plant.

This report is furnished to you under the provisions of the Atomic Energy Commission's regulations 10 CFR Part 19. You should preserve this report for future reference purposes.

Very truly yours,

WISCONSIN MICHIGAN POWER COMPANY

*G. A. Marquardt*  
G. A. Marquardt  
Health Physicist -  
Point Beach Nuclear Plant

*L. E. Brown*  
L. E. Brown  
Radiochemical Engineer -  
Point Beach Nuclear Plant

ckd

cc: Director of Regulatory Operations  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Directorate of Regulatory Operations  
Region III U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137