

ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

March 31, 1983

TELEPHONE  
AREA CODE 716 546-2700

Mr. Ronald C. Haynes, Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Subject: Report of Unusual Event of March 31, 1983 at Ginna,  
"Contaminated Injury to Hospital"

Dear Mr. Haynes:

This letter is to confirm our conversation with Mr. Walter Baunack, NRC Resident Inspector, and our report of Unusual Event to the NRC via telephone to Region I of March 31, 1983.

During the early morning hours of Thursday, March 31, 1983, one of our Health Physics Technicians, Mr. Ramon Garcia, was following through the assignment to install a Radiation Monitor on the Refueling Bridge of the Manipulator Crane in preparation for Refueling Operation, above the dry Reactor Cavity. The Manipulator Crane was located at the South end of the Reactor cavity against its South travel stops above the Fuel Transfer Mechanism Upender. During the performance of this task Mr. Garcia fell, unbeknown to others, to the bottom of the Reactor Cavity floor approximately forty feet below.

Mr. Garcia was found by one of our Fire Watches between 0656 and 0702 hours who gave information to one of our Security Guards with subsequent notification to the Control Room. The Medical Emergency Team was activated to provide necessary help to Mr. Garcia. An ambulance and the Plant Medical Physician were summoned. Mr. Garcia was placed on a stretcher and removed from the Reactor Cavity for transportation to the hospital via ambulance.

The present report from the hospital is that Mr. Garcia has a collapsed lung, broken ribs, broken leg, internal bleeding, and spinal injury. His condition is serious.

A chronology of events and Health Physics report follows:

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PDR ADDCK 05000244  
S PDR

*IErr*

Chronology of Events: Time obtained from Security Card Readers, Control Room Official Log. (\* Approximate times)

0615 Ray Garcia enters Containment

0653 Two Operation Personnel exited Containment, unaware of injury

0656 Fire Watch functioning as Elevator Operator enters Containment

\*0702 Fire Watch notifies Security Guards at Containment Vessel entrance.  
Control Room notified by Security Guard  
Control Room notifies Medical Emergency Team, Ambulance, Doctor, General Hospital.

0705 Medical Team entry in Containment

0709 Refueling Team member enters Containment - Manipulator Crane overhead crane to be used for lifting injured.

0711 Medical Team member reports to Control Room that Ray Garcia is alive

\*0721 Ginna Plant Doctor arrives on site

\*0724 Ambulance arrives on-site

0729 NRC notified (Hot Line) (10 CFR 50.72 Non-Emergency)

0743 Ambulance off-site to Rochester General Hospital

0802 Notified State & Counties on Network phone - Unusual Event (Contaminated injury to Hospital)

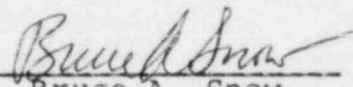
0832 Notified State & Counties - closeout of Unusual Event

0837 Notified NRC. (NRC upgraded to Unusual Event) - Closeout of event

Procedures used by Control Room SC-1 "Radiation Emergency Plan", SC-201 "Unusual Event", SC-701 "Initial Notification Status Report", SC-601 "Unusual Event Notification".

Mr. Garcia was found on the Fuel Transfer mechanism where the dose rates were from 100 to 200 mRem/Hr. After he was removed from the area his self reading pocket dosimeter indicated he had received 170 mR. Film badge and TLD readings will be processed to verify this dose but the 170 mR is consistent with the estimated stay time and dose rate. The contamination levels in the area were very high ( $> 10^6$  DPM/100 cm<sup>2</sup>). Air samples taken during the removal indicated airborne contamination levels at approximately 25% of MPC for Co<sup>60</sup>, the only isotope identifiable on the air sample. Nose smears indicated minor contamination so no significant internal contamination is suspected. Surface contamination levels were in the range of 200 CPM on the neck to 14,000 CPM on the head to 20,000 CPM on the leg. Contamination was confined to small localized areas.

Decontamination was performed in the Hospital Radiation Emergency area and the patient was then transported to the normal emergency wing of the hospital.

  
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Bruce A. Snow  
Plant Superintendent

GFL/kdq

xc: J.E. Maier  
R.P. Zimmerman