

5

~~FOR OFFICIAL USE ONLY~~

**EXECUTIVE TEAM DAILY BRIEF**  
**Monday, November 23, 2009**

Outside of Scope

**TMI -1 - EN 45514**

**RADIATION RELEASE IN CONTAINMENT ASSOCIATED WITH STEAM GENERATOR REMOVAL**

"This event is being reported via the ENS to the NRC Operations Center within four hours after notifications were made to the Pennsylvania Emergency Management Agency and local counties for an event of potential public interest. This notification was made at 22:45 on November 21, 2009, after the occurrence of an event related to the safety and health of onsite personnel for which a press release has been made. The press release was made following the event of potential public interest notifications. This report is being made under 10 CFR 72.75(b)(2).

"At approximately 16:00 on Saturday November 21, 2009, low levels of radiation activity were measured on radiation monitors installed in the TMI-1 reactor building. Personnel were directed to immediately leave the reactor building until the source of the activity could be identified. Surveys directly outside of the reactor building construction opening indicated a slight increase in activity. Levels have returned to

4/5

1  
~~FOR OFFICIAL USE ONLY~~

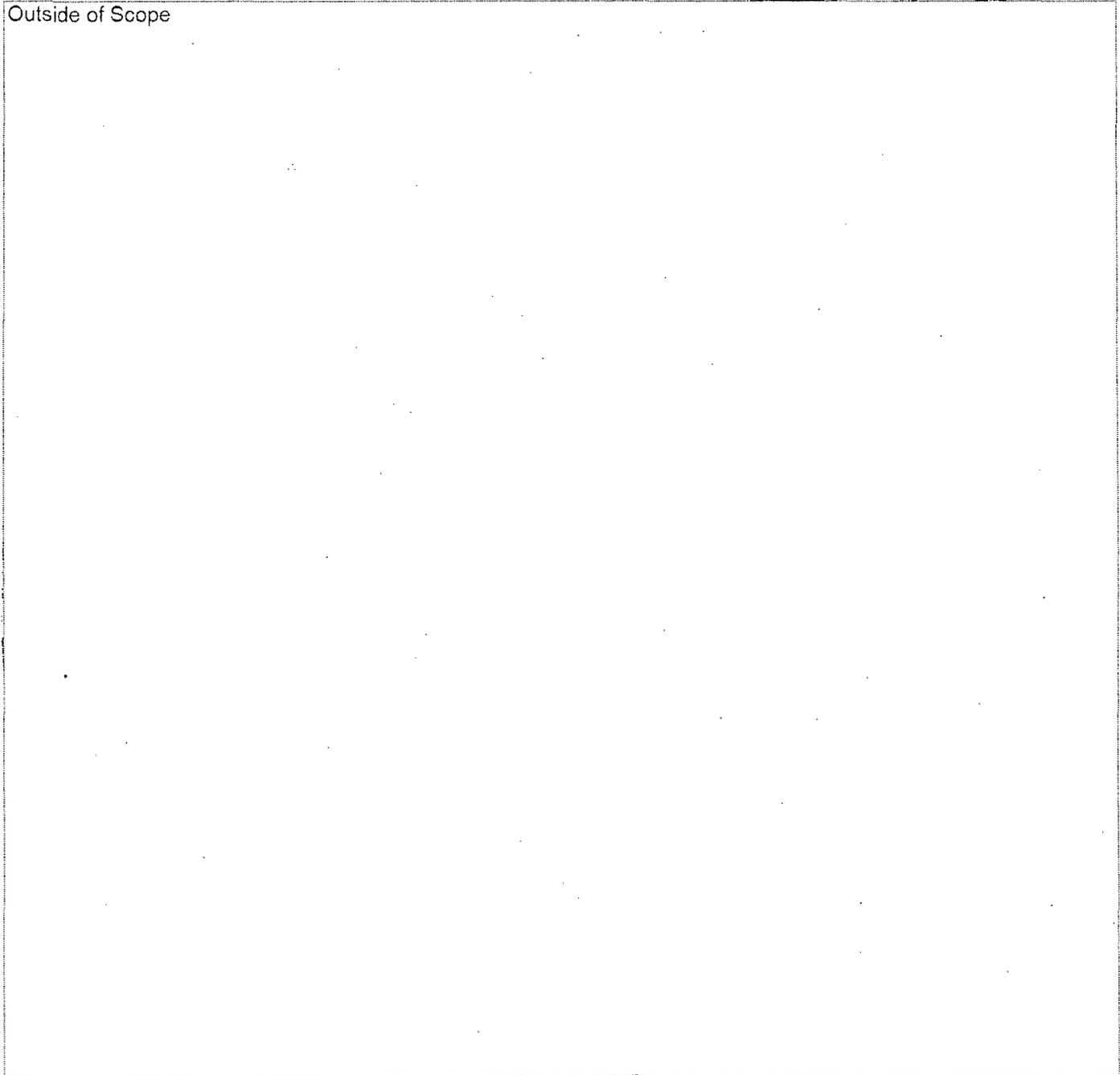
~~FOR OFFICIAL USE ONLY~~

normal. No contamination was identified outside of the reactor building. Approximately 150 workers were monitored for exposure to the radiation activity. No worker approached or exceeded any exposure limits. The sources of the activity are believed to be from maintenance tasks related to cutting lines in preparation for removal of the 'B' Steam Generator."

The licensee is still investigating the cause of the event but indicated that the radiation release is no longer in progress. Containment Ventilation is established to provide an inflow into containment to the extent possible (considering the openings in containment).

The licensee contacted state and local authorities and the Pennsylvania Emergency Management Agency (PEMA). The licensee notified the NRC Resident Inspector. The licensee has also issued a press release.

Outside of Scope



Outside of Scope

- From the TMI Project Manager:

I participated in a conference call today (Sunday 11/22) at 4:30 PM sponsored by the Region at which they provided an update to this weekend's activities at TMI-1. Here is a summary:

Approximately at 4 PM Saturday 11/21 TMI had an event involving loss of contamination control inside containment. At the time the reactor was defueled with a hole cut in the containment wall to support the ongoing SG replacement outage. The licensee is not sure at this time what activity inside containment led to the problem. Their investigation is focusing on two activities (1) "A" piping loop decontamination activities or (2) some work on a drain line on the B" SG.

At the time of the event 175 workers were inside containment. Of these workers 151 people were selected for detailed monitoring based on nasal smears and portal monitor readings. Of the 151, about 20 people have potentially received doses greater than 10 mR. Two workers initially have calculated doses of 183 and 202 mR. However the region feels that these estimates may be in error and are being re-evaluated. The next highest dose to a worker was 38 mR. The region appeared confident the the 38 mR person would end up being the highest exposure for this event. No site worker left the site with external contamination. Airborne contamination levels inside containment have been restored to pre-event levels and cleanup of containment surfaces is in progress. The tarp that was covering the containment opening was contaminated on its inside surface and is in the process of being replaced.

With the open equipment hatch and the SG opening there was the potential for a release outside of containment. At the time of the event a slight positive pressure existed in containment. This has now been corrected to what it should be, ie a slightly negative pressure. Based on readings from radiation monitors present at the SG opening and the duration of the positive pressure, the estimates of release levels are still less than one percent of the quarterly ODCM limit.

This event has generated a significant amount of media interest. Regional OPA and state liason officers have taken inquiries from multiple radio, print media and TV stations. They have performed a media briefing at TMI at 2 PM today and have conducted an interview with CNN. Good Morning America is also interested and requested an interview with the Chariman tomorrow (Monday) morning. The region offered them Sam Collins or possibly the EDO representing the NRC. (The Chariman's office and the acting DEDO were represented on the 4:30 pm call today.) GMA said they may decide to interview just an Exelon manager (possibly Bill Noll the Site VP) if they cannot get the Chariman. The GMA interview was left to be decided after the phone call. If it occurs, it sounded to me that it would likely take place in a Philadelphia studio with Sam representing the NRC. The region feels the local reporting has been balanced and factual with no fear-mongering.

The PA governor's office has been notified and they understand this is a low level event. They apparently have some concerns about notification timeliness. The PA state was notified about 9:30 PM last night (event time was 4 PM). Based on the PA state notification, an event report was filed with the HOO (event number 45514). This event was far below levels that would warrant an unusual event declaration.

Activities for the remainder of the evening were to sort out the GMA interview and respond to further media requests (regional OPA lead). The rest of the regional activities are going to stand down at this time.

Outside of Scope

Outside of Scope

Outside of Scope