To: Leo Higgenbotham
From: George Smith

4/26/79

Response to Question 4.

We have no information to substantiate claim of 0.5 mrem/hr thirty miles upwind of plant. Limited recent releases from the plant have been detectable only in downwind directions, and only in the vicinity of the plant. Fluctuations up to 0.1 mrem/hr in Harrisburg could be due to local background variations, other radiation activities, or normal instrument fluctuations due to vibrations or other non radiological outside influences.

7905300108

(Chauncey Kepford was environmentalist intervenor in TMI-2 hearings)

Response to Question 7.

The TLD's used in environmental measurements have a limited but calibrated sensitivity to beta radiation. No beta radiation would be received at ground level unless the plume actually touched down to ground level. Even then, any beta dose would be limited to the skin, with no beta dose received by any deep organ, including the lens of the eye. (the most energetic Xe-133 beta can penetrate 80 mg/cm^2)

167 055

Response to Question 10.

The whole body counting equipment could handle a limited number of individuals. If there had been any internal deposition of radioactive materials in persons offsite, the highest would have occurred within a three mile radius. Negative results in the counts of those individuals counted confirms that counting of individuals from greater distances would have been of no value.

Response to Question 11

There were three overexposures between 3 and 4 rems early in the incident. All other exposures have been within NRC regulatory requirements. Significant numbers of higher than usual occupational exposures have not been experienced to date.

H.E. Book.