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Energy/
Environment
Systems Division

September 18, 1989

Mr. George France
Region III
Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Subject: CONTAMINATION ON CONCRETE SLAB - COMBUSTION ENGINEERING,
HEMATITE, MO

Dear Mr. France:

On August 10, 1989, a survey team from ORAU's Environmental Survey and Site Assessment Program (ESSAP) performed a walkover gamma survey of the entire enclosed area of Phase 2 construction at the Combustion Engineering (CE) site in Hematite, Missouri. Elevated residual contamination in approximately a 1 m² area was detected on a concrete slab which had been the floor of building 251. ORAU informed CE of the findings to which CE replied that the area had been released by the NRC in a previous survey. Alpha and beta-gamma scans were conducted to outline the area exceeding surface contamination release guidelines; most of the contamination appeared to be confined to the floor/wall interface. Detailed measurements were not performed, because the area had previously been released by the NRC.

CE performed cleanup of this area by removing a portion of the concrete; however, further monitoring by ORAU indicated that the soil beneath the slab was also contaminated. Decontamination of this area was not completed prior to ORAU's departure. The enclosed map indicates the approximate location.

Requests for additional information may be referred to me at FTS 626-3355.

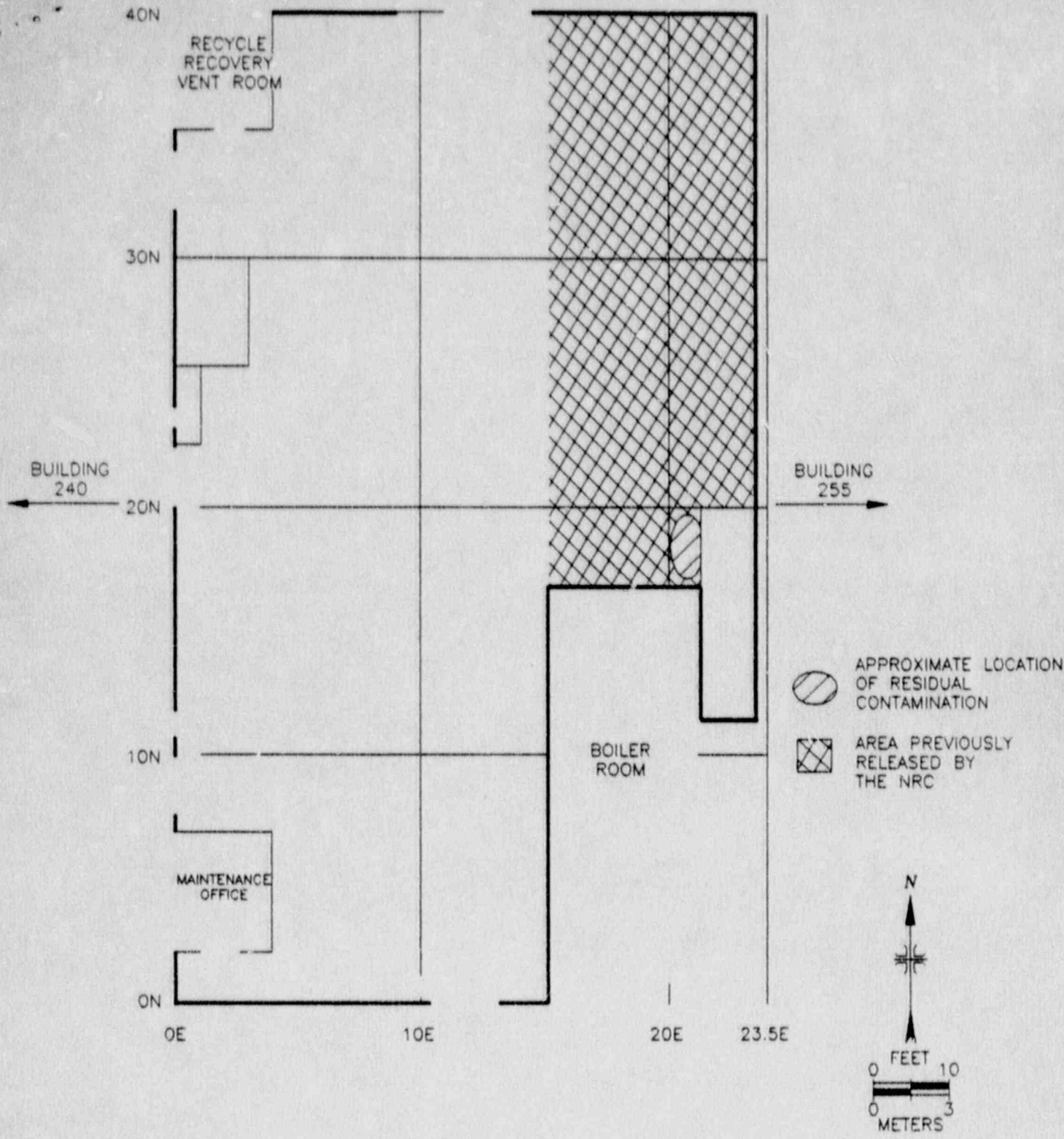
Sincerely,

Phyllis R. Cotten
Health Physics Team Leader
Environmental Survey and
Site Assessment Program

PRC:jls

cc: L. Rouse, (NRC/NMSS, 6H3)
G. LaRoche, (NRC/NMSS, 6H3)
D. Tiktinsky, (NRC/NMSS, 6A4)

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Results of Survey of Area Previously Released by the NRC