



Oak Ridge (615) 576-3305
Associated Post Office Box 117
Universities Oak Ridge, Tennessee 37830

Manpower Education,
Research, and Training
Division

DMB

June 11, 1984

Mr. Lee Evans
UCC - Metals Division
137 47th Street
P.O. Box 97
Niagara Falls, NY 14302

Dear Mr. Evans:

Per the recommendation of Mr. Schumacher of the NRC Region III office, I am providing the attached listing of areas in and around Building 77, which our survey of May 30-June 1 identified as exceeding the NRC guidelines for release of property for unrestricted use. We will be available to perform followup measurements on these areas during the latter part of June. If any remedial action is performed by that time, please contact my office so that the necessary scheduling arrangements can be made.

As we discussed by telephone, there are also some small isolated spots of elevated direct radiation in the vicinity of the previous residue storage area. Until the samples from these locations can be analyzed and the levels and extent of contamination evaluated, it is suggested that no further remedial action be undertaken in this area.

If you have any questions concerning this information you may contact me at the above address or phone number.

Sincerely,

James D. Berger
Program Manager
Radiological Site Assessment Program

JDB/jm

Enclosure

cc: [redacted] (NRC, Region III)
J. Counts (NRC, Hq.)

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AREAS OF RESIDUAL CONTAMINATION
AT THE
• UCC-MARIETTA, OH, SITE

June 11, 1984

Building 77

1st Floor: There are numerous small areas on the floor particularly near the northwest corner. These areas are identified (circled) with orange paint and most of them have the approximate count rate indicated nearby on a piece of yellow tape. In addition to these areas, there is contamination along the baseboard and wall/floor interface of grid blocks A-9 through A-12 (west wall near northwest building corner). Grid blocks F-6, B-11, and D-13 also exceed the limits. Many of the contaminated locations are along the joints, cracks, and the outer edges of the chipped or scabbled areas.

There is also residual contamination on the lower I beam in grid block D-14.

3rd Floor: Grid blocks I-11 and J-14 exceed the guideline levels.

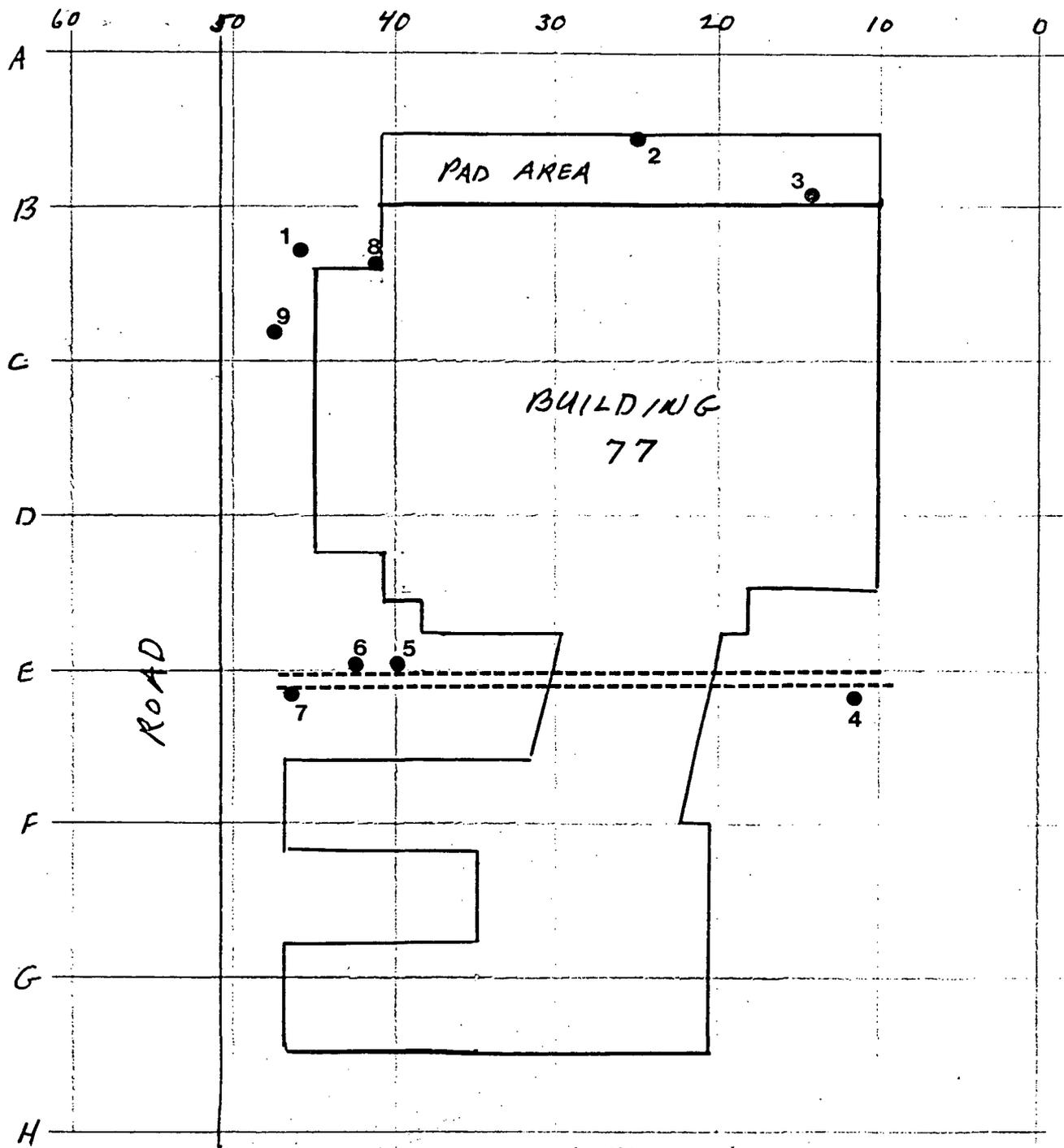
4th Floor: The lower surfaces of I beams in blocks K-4, G-4, D-4, and G-7 are contaminated, as is a strip along the south floor/wall interface between grid lines H and J. Block M-10 is above the guideline.

Mezzanine: Several "hot spots" are identified by paint and tape. Blocks D-7 and D-3 contain contaminated locations in addition to the "hot spots."

Outside Area Around Building 77

Elevated direct radiation levels indicating possible surface or subsurface contamination were noted at nine locations, identified on the

attached drawing. Surface sampling at most of these locations revealed white and/or yellow residues as the source of the direct radiation readings. After sampling, most of the radiation levels increased, particularly at location #9, suggesting additional material below 15 cm deep.



NOTE: DRAWING NOT COMPLETELY TO SCALE.

