

yellow

August 27, 1982

Southern Space, Inc.
ATTN: Mr. William Moser
P. O. Box 50164
Columbia, SC 29250

Gentlemen:

Subject: License No. 39-19727-01

This refers to your letter and report of July 15, 1982, informing us of your analytical results from water and soil samples collected near Jefferson and Seventh Streets, Portsmouth, Virginia, on June 2, 1982.

Analyses of these split samples by our laboratory generally confirm the concentrations described in your report. Specifically, the Cobalt-60 levels in both the water and soil samples were below 1.0 pCi/cm³ and gm, respectively, with soil from beneath the concrete slab in the southwest corner of the building containing less than 3.0 pCi/gm. A conservative release limit for Cobalt-60 in soil is generally taken to be 5.0 pCi/gm.

A prior measurement in anchor hole 2-F reveals about 0.2 mrem/hr at the two foot depth, but this dose rate was not observed in adjacent anchor holes. It appears that there are some Cobalt-60 particles underneath the concrete slab near hole 2-F, but they do not produce a measurable dose rate to any building occupants, nor are they likely to unnecessarily expose anyone during future razing of the building and slab. The 0.2 mrem/hr dose rate in generally inaccessible areas is acceptable under the NRC "Guidelines for Decontamination...or Termination of Licenses for Byproduct...Material," July, 1982. After each 5.5 years the dose rate should decrease by a factor of two.

In conclusion, we find that the levels of radiation remaining under the building pose no significant hazard to the general public and believe the premises are suitable for unrestricted use.

Sincerely,

(Original signed by AFGibson)
A. F. Gibson, Chief
Technical Inspection Branch
Division of Engineering and
Technical Programs

Jos RII
PMChambless:es
8/13/82

RII
JEDotter
8/13/82

RII *AG*
AFGibson
8/12/82

IE07

Telephone conference from W.T. Crow, NMSS, on 8/26/82

8209020412 820827
NMS LIC30
39-19727-01 PDR

JEDotter

Southern Space, Inc.

-2-

August 27, 1982

bcc: W. T. Crow, NMSS
Document Management Branch
State of South Carolina
Commonwealth of Virginia