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OFFICE MEMORANDUM

TO : Dean D. Meyer, Group Leader, H-1

DATE: April 12, 1966

Blackwell 1966  
ER ID # 5012

FROM : Charles D. Blackwell, Alt. Lrd., General Monitoring Section, H-1

SUBJECT: RADIATION SURVEY AT L-SITE, TA-12

SYMBOL: H-1

*Handwritten notes:*  
L-12-20-66  
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On April 12, 1966, a survey was made at L-Site to determine if radioactive contamination still remained in an abandoned lead pig and plastic tube used in an experiment conducted by Group H-4. The source material used in the H-4 experiment many years ago was RaLa. The source holder was either contaminated or had a slight leak, resulting in contamination to the source pig and the plastic tube used as a source guide. Since the source material contained some impurities, some of the radioactive material remains and is probably Sr<sup>90</sup>. The lead pig and lid are contaminated to the level of 4.0 mR/h gamma and 20.0+ mR/h beta.

If this area is opened to the public, the source pig should either be removed or well marked with radiation signs. There's reason to believe that the plastic tube is contaminated on the inner surface but would be difficult to monitor. The pig is labeled with a radiation tag; however, should the area be opened, a more obvious sign should be placed in the area and the area marked off with rope or tape. The contaminated items are quite heavy and would be somewhat difficult to remove.

*Handwritten signature of Charles D. Blackwell*

Charles D. Blackwell

CDB/es

cc: R. W. Drake, GMX-DO  
File thru C. Buckland

*Handwritten initials:* C.B.



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Approved by ER-RPF  
JUL 06 1966  
*Handwritten initials:* Hsu