



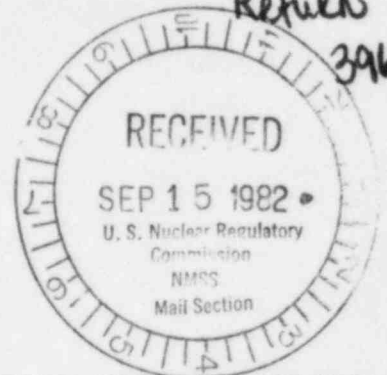
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Silver King Mines, Inc.

MORTON RANCH PROJECT
P. O. Box 560
Casper, Wyoming 82602-0560
(307) 358-5112 - (307) 265-6447

PDR

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August 27, 1982

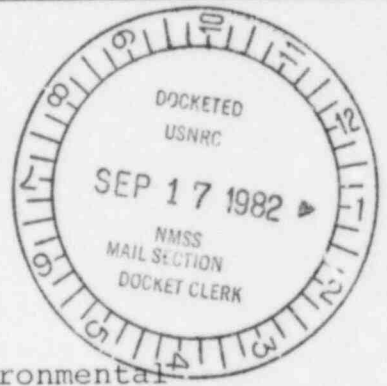
CERTIFIED MAIL NO. 314744

U. S. NUCLEAR REGULATORY COMMISSION
Uranium Recovery Licensing Branch
7915 Eastern Avenue
Silver Springs, Maryland 20906

Attn: Mr. R. A. Scarano

Docket No.: 40-8602
Source Material License SUA-1356

RE: Pre-Operational Radiological Environmental
Monitoring Report, January 1982 through
June 1982



Gentlemen:

Enclosed herewith is the Morton Ranch Pre-Operational Radiological Environmental Monitoring Report for the period of January 1982 through June 1982 which incorporates the following data:

AIR

- 1) Hi Volume air particulate data for the period January 1982 through June 1982.
- 2) Low Volume air samplers operational data for the period January 1982 through June 1982.
- 3) Radiological analyses of quarterly composited air filters for the period October 1981 through June 1982.

METEOROLOGICAL DATA

- 1) Tabulated Daily average meteorological data for the period January 1982 through June 1982.
- 2) Level One (WD1) Frequency Distribution data for the period January 1982 through June 1982.
- 3) Level Two (WD2) Frequency Distribution data for the period January 1982 through June 1982.

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- 4) Level One (WD1) Atmospheric Stability (Pasquill Stability Categories A-G) based on $\sigma \theta$ for the period January 1982 through June 1982.
- 5) Level Two (WD2) Atmospheric Stability (Pasquill Stability Categories A-G) based on $\sigma \theta$ for the period January 1982 through June 1982.
- 6) Atmospheric Stability (Pasquill Stability Categories A-G) based on ΔT for the period January 1982 through June 1982.

RADON-222

- 1) Results of Rn-222 monitoring data for the period January 1982 through June 1982.

GAMMA DOSE SURVEY

Results of the gamma dose survey performed at the Hi and Low Volume air sampler sites for the period January 1982 through June 1982.

GROUND WATER

- 1) Quarterly radiological and chemical analyses of collected water samples from monitor wells for the period October 1981 through June 1982.
- 2) Quarterly radiological and chemical analyses of collected water samples from water wells for the period October 1981 through June 1982.

SURFACE WATER

Radiological and chemical analyses of collected water samples following a precipitation event for the period October 1981 through June 1982.

SOIL

Radiological analyses of surface soil samples collected at the Hi and Low Volume air sampler sites on an annual basis.

VEGETATION

Radiological analyses of vegetation samples, three times during grazing season, collected at the Hi Volume air sampler sites.



CALIBRATION DATA

Hi and Low Volume air sample calibration data for the period
January 1982 through June 1982.

Please advise if further information is desired.

Very truly yours.

C. E. Wolff
Resident Manager
Morton Ranch Project

CEW:cdt

Enclosures

- cc: R. M. Caywood
- R. H. Davidson
- J. M. Hamilton
- D. H. Marks
- S. Pantell
- Document Management Branch - NRC CERTIFIED MAIL NO. 314743
- B. M. Angle
- F. L. Uhrich
- M. R. Central File