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March 30, 1953

Mr. M. W. Boyer
General Manager
Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Boyer:

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This study definitely indicated that high concentrations of radon and RaA and RaC' are present in the uranium mines of the Colorado Plateau. It was determined that 77.7 percent of the mines, employing 84.2 percent of the miners, had concentrations of RaA and RaC' of more than 100 uuc/l of air and that 55.4 percent of the mines, employing 64 percent of the miners, had atmospheric concentrations of these elements higher than 1,000 uuc/l of air. The median concentration in the 157 mines surveyed under this contract was 1,460, with a range of from 2 to 59,000 uuc/l of air.

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Yours very truly,

/s/

Seward E. Miller, Medical Director
Chief, Division of Occupational Health

REPOSITORY DoE Rec. Hold. Cent.

COLLECTION RG 826

BOX No. 326-78-3 # 2

FOLDER MHS 3-7 Col. Plat. Area

1191859

1949-53

NEBEL

URANIUM MINE SURVEY
by
Division of Occupational Health
Utah State Department of Health

Mining Company: _____ Mailing Address _____

Owner, Lessee,
or Operator: _____ Mailing Address _____

Mine Name & Geographical Location: _____

No. Employees: Underground _____ On Surface _____ Total _____ No. Shifts _____

DESCRIPTION & TYPE OF MINING OPERATIONS _____

DESCRIPTION OF VENTILATION _____

S A M P L I N G D A T A

<u>Millipore Filters</u>		<u>Radon Samples</u>		
<u>Sample No.</u>	<u>Time (Hour & Date)</u>	<u>Sample No.</u>	<u>Flask No.</u>	<u>Time (Hour & Date)</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

NOTE: Other information and mine sketch,
including sampling locations, on
the reverse.

1191860

Mine Survey No. _____ Date _____ Team No. _____ Team Names _____