AUG 9 1982

Docket No. 40-08794

License No. SMB-1408

MEMORANDUM FOR:

Bernard Singer, Chief, Material Certification and Procedures

Branch

FROM:

James H. Joyner, Chief, Technical Programs Branch

SUBJECT:

RESULTS OF TEST WELL SAMPLE ANALYSIS AT MOLYCORP, INC.

YORK, PENNSYLVANIA (LICENSE NO. SMB-1408)

Enclosed are the results of the analysis of water taken from test wells at Molycorp, Inc., York, Pennsylvania by the Commonwealth of Pennsylvania, as part of their review of the licensee's activities at the York site. The analysis performed by the U. S. EFA Eastern Environmental Radiation Facility shows measureable concentrations of radium-228 and thorium-232 in these samples. While it does not appear that the concentrations are in excess of NRC limits, Region I plans to further review these results during an inspection of Molycorp, Inc. later this year. However, we wanted you to be aware of the results during your review of the licensee's decommissioning plan. We will keep you informed of any additional information we receive.

Original Signed By:

John D. Kinneman

James H. Joyner, Chief Technical Programs Branch

Enclosures: As Stated

R1:DETP Campbell/wb 7/30/82 R1:DETP Kinneman P/5/82

OFFICIAL RECORD COPY

IE07



Eastern Environmental Radiation Facility P. 0. Box 3009, Montgomery, AL 36193

cc Rid Lab Tropenhaver Scretchesky

June 22, 1982

Ms. Margaret Reilly, Chief Division of Environmental Radiation Pennsylvania Bureau of Radiation Protection P. O. Box 2063 Harrisburg, PA 17120

Dear Ms. Reilly:

In response to your request of April 6, 1982, the EERF has analyzed three test well water samples received April 16, 1982 for Radium-228 contamination.

Sample identification and analytical results are included in the sample headers and result portions of the enclosed data sheets.

If you have questions relative to the methods used, please contact me at FTS 534-7615.

Sincerely,

Mike Mardis, Chief Monitoring & Analytical Services Branch

cc: Dr. David Langford, EPA Region III

198 (well +8) NoFof dangerundment + 20 75 yelf.

Joe process water, jumped down delich to detale St i rough

#160 RE award from

COLLECTION DATE,

OTHER ID'S

PTW 22268

WATER

COLLECTION DATE: TIME 4/16/82 0: 0

COCATION PA:COMMONWEALTH OF

2801-158

TYPE OF ANALYSIS ******** RA228 ********

VERIFIED BY GL (5/12/82) AND MM (5/12/82)

NUCLIDE ACTIVITY 2 SIG ERROR UNITS DATE

RA-228 1.4000E+00 92.00 % PCI/L 4/16/82 DISS. RA-228 1.7000E+00 71.00 % PCI/L 4/16/82 DEDISS.

11.40.00

COLLECTION DATE, TIME LOCATION

OTHER ID'S

PTW 22269 WATER 4/16/82 01 0 PA:COMMONWEALTH OF 2801-159

RA-228 7.0000E-01 200.00 % PGI/L 4/16/82 DISS. RA-228 -6.0000E-01 221.00 % PGI/L 4/16/82 UNDISS.

4/16/82 DISS. 4/16/82 UNDISS.

TE TYPE COLLECTION DATE, TIME 4/16/82 0: 0 LOCATION

PTW 22270X WATER PA: COMMONWEALTH OF 2801-160

********** 民首228 光节未来未来来来来

TYPE OF ANALYSIS ******* RA228 ********
VERIFIED BY GL (5/19/82) AND MN (5/19/82)

OTHER ID'S

NUCLIDE 'ACTIVITY 2 SIG ERROR UNITS DATE

RA-228 1.1000E-01 342.00 % PCI/L 4/16/82 DISS.

RA-228 4.3800E+01 14.00 % PCI/L 4/16/82 UNDISS.