

AUG 23 1982

40-8722/SEP/82/07/27/0

- 1 -

DISTRIBUTION
 DOCKET FILE 40-8722
 PDR
 WMUR r/f
 WMUR w/f
 WM r/f
 NMSS r/f
 NRC Region IV
 SEPantell
 DEMartin
 JJLinehan
 HJPettengill
 RAScarano
 REBrowning
 JBMartin
 BFisher

WMUR: SEP
 Docket No. 40-8722

MEMORANDUM FOR: Docket File No. 40-8722

FROM: Susan E. Pantelli, Project Manager
 New Facilities Section
 Uranium Recovery Licensing Branch
 Division of Waste Management

SUBJECT: REVIEW OF THE STACK EFFLUENT MONITORING REPORT FOR
 THE SECOND HALF OF 1981 FOR THE BRUSH WELLMAN, INC.
 HEAP LEACH FACILITY

By letter dated May 21, 1982 Brush Wellman, Inc. submitted the stack effluent monitoring data for July through December, 1981, as required by License Condition No. 26 of SUA-1354.

Data is reported for the uranium stack, the old leach stack, the new leach stack, the beryllium-hydrolysis drumming stack, the beryllium - hydrolysis scrubber stack, and the wet grind stack. The information provided shows that uranium, radium-226 and thorium-230 emissions from all six stacks are well below the maximum permissible concentrations for restricted areas, as specified in Appendix B to 10 CFR Part 20. The highest reported results for each radionuclide are: 1.69×10^{-12} $\mu\text{Ci/cc}$ of uranium from the old leach stack, 6.53×10^{-14} $\mu\text{Ci/cc}$ of radium-226 from the wet grind stack, and 4.22×10^{-13} $\mu\text{Ci/cc}$ of thorium-230 from the uranium stack.

The data from this report were compared with the data from the first half of 1981. Data for the wet grind stack were not included in the previous report. The concentrations of uranium and radium-226 from the uranium stack and the concentration of uranium from the beryllium-hydrolysis stack for the second half of 1981 are lower than the respective concentrations for the first half of 1981. The concentrations of uranium and radium-226 from all other stacks are higher for the second half of 1981, but by no more than 1.60×10^{-12} $\mu\text{Ci/cc}$. No values were reported for thorium-230 from the stacks for the first half of 1981. The total

20528

OFC : : : : : : :

 NAME : : : : : : :

 DATE : 82/07/27 : : : : : : :

AUG 23 1982

quantity of uranium released from all six stacks for the second half of 1981 was 29.5 μ Ci, less than the 44.8 μ Ci reported for the first half of 1981.

In conclusion, the Stack Effluent and Monitoring Report for July through December 1981 meets the requirements of License Condition No. 26 of SUA-1354, and no further action is required of the licensee.

Original Signed By:

Susan E. Pantell, Project Manager
New Facilities Section
Uranium Recovery Licensing Branch
Division of Waste Management

Original Signed by
D. M. Gillen *for*

Approved By:

Dan E. Martin, Section Leader
New Facilities Section
Uranium Recovery Licensing Branch

Case Closed: 04008722030E

OFC	:	WMUR	:	WMUR	:		:		:
NAME	:	SEPantell	:	DEMartin	:		:		:
DATE	:	82/07/27	:	8/19/82	:		:		: