

MAR 6 1963

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Original signed by
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REINSPECTION - ATLAS CORPORATION, URANIUM ORE PROCESSING
MILL, MOAB, UTAH - SOURCE MATERIAL LICENSE NO. R-161

Transmitted herewith for appropriate enforcement action is a copy of
subject report.

The items of noncompliance noted were discussed with management at the
conclusion of the inspection. The substance of the discussion is included
in paragraph 60 of the report details. The individuals contacted said that
necessary corrective action would be taken.

As a general statement, it could be said that the scope of the licensee's
radiological protection is adequate; however, it is apparent that the
licensee's major deficiency is his failure to adequately evaluate per-
sonnel exposure to airborne concentrations of uranium. The licensee
was not cognizant of the necessity for taking breathing zone samples
during certain dust generating manual operations. Examples of these
manual operations were discussed with management. A slight modifi-
cation wherein exposures received during these operations are factored
into the exposure received during the remainder of the exposure period
would greatly enhance the airborne survey program.

It should be noted that the violation of 20.202(a) was corrected by the
licensee on July 1, 1962, when all processing personnel commenced
wearing film badges. Further, the licensee is now permitted to dispose of
increased concentrations of radioactivity in effluents flowing into un-
restricted areas pursuant to license amendment dated November 23, 1962.

Independent liquid effluent sampling, wherein AEC methods were com-
pared with the licensee's, revealed a conflict in sampling methods.
See paragraphs 45 and 46 of the report details. This appears to be part
of the general problem wherein licensees have some degree of freedom
in selecting a limit in Appendix B. You may wish to request the licensee
to furnish his justification for his current analytical method.

We do not plan to make a follow-up inspection of this licensee.

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