

UNITED STATES ATOMIC ENERGY COMMISSION  
DIVISION OF COMPLIANCE

1. LICENSEE <b>Petrotonics Company P. O. Drawer 2488 Casper, Wyoming</b>	2. REGIONAL OFFICE <b>U.S. Atomic Energy Commission Division of Compliance, Region IV P. O. Box 15266 Denver 15, Colorado 80215</b>
3. LICENSE NUMBER <b>SUA-551, Docket No. 40-6659</b>	4. DATE(S) OF INSPECTION <b>August 10 and 11, 1964</b>
5. The following activities under your license (identified in Item No. 3 above) appear to be in noncompliance with AEC regulations or license requirements, as indicated.	
<p>a. The average concentration of thorium-230 in the tailings pond seepage released to unrestricted areas during the calendar year 1963, exceeded the limit specified in Appendix B, Table II of 10 CFR 20, contrary to 10 CFR 20.106(b), "Concentrations in effluents to unrestricted areas".</p> <p>b. In the following respects, surveys were inadequate to determine compliance with 10 CFR 20.103, "Exposure of individuals to concentrations of radioactive material in restricted areas", contrary to 10 CFR 20.201(b) :</p> <ol style="list-style-type: none"><li>1. From October 25, 1962 to August 11, 1964, breathing zone samples were not taken during routine cleanup operations in the crusher buildings to evaluate fully the exposures of the crusher operator and helper.</li><li>2. From October 25, 1962 to August 11, 1964, air samples were not collected to evaluate the exposure of maintenance employees while performing such non-routine work as occurred on June 10-12, 1964, when the ventilation system for the yellow cake dryer and packaging areas was modified and repaired.</li></ol> <p>c. From July 23, 1963 to August 11, 1964, surveys were not made to determine the concentrations of airborne radioactive material released to unrestricted areas in order to demonstrate compliance with 10 CFR 20.106(b), "Concentration in effluents to unrestricted areas", contrary to 10 CFR 20.201(b), "Surveys". License Condition No. 8, which incorporates your letter of February 14, 1962, requires that such surveys be conducted at a minimum of once each year.</p>	
8507300219 850530 PDR FOIA BURR85-229 PDR	
Original Signed By Leland C. Rouse	
Supplementary page <u>None</u> attached.	<b>Leland C. Rouse</b> AEC Compliance Inspector
	<b>AUG 28 1964</b> Date

ORIGINAL: LICENSEE.

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