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 SUBJECT: Quarterly report of activity released to atmosphere.

The following report is a tabulation of radioactive gases released to the atmosphere from SRE decay hold-up tanks. This report covers the period from July 1, 1959 to October 1, 1959.

Sample date	Activity ps/cc	Release Rate (CF/HR)	Total Activity ps **
7/1/59	5.0×10^{-6}	145	3.8×10^2
7/1/59	7.0×10^{-6}	145	5.3×10^2
7/3/59	2.5×10^{-6}	145	1.9×10^2
7/9/59	2.0×10^{-6}	145	1.5×10^2
7/10/59	1.8×10^{-6}	145	1.4×10^2
7/11/59	2.2×10^{-6}	145	1.7×10^2
7/20/59	5.0×10^{-2}	4	3.8×10^6
7/25/59	1.4×10^{-2}	27	1.1×10^6
*7/25/59	8.0×10^{-2}	6	6.3×10^6
8/22/59	7.0×10^{-2}	4	5.3×10^6
9/16/59	6.5×10^{-2}	4	4.9×10^6
9/17/59	7.0×10^{-2}	12	5.3×10^6
9/18/59	2.0×10^{-3}	145	1.5×10^5
9/20/59	5.0×10^{-3}	145	3.8×10^5
9/21/59	1.3×10^{-3}	65	1.0×10^5
9/21/59	1.3×10^{-3}	145	1.0×10^5
9/21/59	1.1×10^{-3}	145	8.4×10^4
9/22/59	2.0×10^{-3}	145	1.5×10^5
9/27/59	1.8×10^{-3}	145	1.4×10^5
9/27/59	1.8×10^{-3}	145	1.4×10^5
9/28/59	1.8×10^{-3}	145	1.4×10^5
9/30/59	7.8×10^{-6}	15	5.8×10^2
9/30/59	6.0×10^{-6}	15	4.6×10^2

*Reason for gap between 7/25/59 to 8/22/59 to 9/16/59 is due to slow release rate.

**In each instance of venting the total volume released was approximately 7.6×10^7 cc.

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