

To: H-7 Files
 Thru: J. R. Buchholz; L. A. Emelity
 From: Paul E. McGinnis, Liquid Waste Engr. Section *P.E.M.*
 Subject: SUMMARY OF CONTAMINATED WASTE SOLIDS TO DISPOSAL PITS FOR
 Date: December 12, 1977
 Symbol: H7-77-490

0540
 TA-21



OCTOBER

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From TA-50-1 to Mesita del Buey (TA-54)						From TA-21-257 to Area T Shafts and CMP							
Type of Waste Solids	No. of Drums (5)	Vol. of Waste (Liters)	²³⁸ Pu curies	²³⁹ Pu curies	²⁴¹ Am curies	Type of Waste in Pug Mill Feed Solution	Volume (liters)					Total	
							Pug Mill Run Number (2)						
							424	425R	425F				
Plant Sludge	44 ⁽⁴⁾	7990	0.02	.07	.02	Plant Sludge	1789	--	--			1789	
Grit	1 ⁽⁶⁾	206	--	--	--	Neutralized Americium	--	4723	--			4723	
Tritium Vials	--	--	--	--	--	Treated Strip	3828	--	--			3828	
Miscellaneous	--	--	--	--	--	Raw KOH	--	--	--			--	
Total	45	8196	0.02	0.07	0.02	Sight Glass Rinse Water ⁽¹⁾	435	280	462			1177	
NOTES						Miscellaneous	--	--	636			636	
(1) Water used to clean sight glass						Total Vol. Feed Solutions	6052	5003	1098			12 153	
(2) R - indicates feed solutions used to generate Retrievable Paste						GRAND Total Feed Solutions (liters)						12153	
F - indicates feed solutions used to generate Paste to Flush the Pug Mill discharge hose.						GRAND Total Cement Paste						18198	
(3) Number reported is based on CMB-11 analysis. H-7 analysis indicates the presence of 404 curies in the Feed solution.												SHAFTS	CMP
(4) 200-liter fiber units						Total curies ²³⁸ Pu in Feed Solution						0.009	1.15
(5) All drums sent to TA-54 this period contained nonretrievable levels of TRU waste.						Total curies ²³⁹ Pu in Feed Solution						0.024	0.38
(6) 213-liter steel unit						Total curies ²⁴¹ Am in Feed Solution						1.159	372.77
						Total curies in Feed Solution						1.192	374.30
						Total mCi β-γ activity in Feed Solution						4.02	3.67
						Designation of Pit(s) Receiving Cement Paste						87	+ 94
						I.D. Nos. of CMP receiving Cement Paste						1252, 1253, 1254, 1255	
						Miscellaneous Drums of Waste Sent to Area "G", TA-54						0	
						* ²³⁸ Pu, ²³⁹ Pu, ²⁴¹ Am total curies. Actual H-7 Lab analysis of Feed Solutions indicate a total of 0.9/460 curies based on gross α.							