

0555  
TA-21



10083

To: H-7 Files  
 Thru: J. R. Buchholz; L. A. Emerity, and T. K. Keenan, H-7  
 From: Paul E. McGinnis, Liquid Waste Engr. Section P.E.M. JRB  
 Subject: SUMMARY OF CONTAMINATED WASTE SOLIDS TO DISPOSAL PITS FOR  
 Date: November 8, 1976  
 Symbol: H7-76-533

AUGUST

1976

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 (4)	Vol. of Waste (Liters)	<sup>238</sup> Pu (mg)	<sup>239</sup> Pu (mg)	Equiv. <sup>239</sup> Pu Cont's grams
Plant Sludge	56	10,604	10.6	474	3.6
Strip	--	--	--	--	--
Ritium Vials	1	7	--	--	--
Miscellaneous	--	--	--	--	--
Total	57	10,611	10.6	474	3.6

Type of Waste in Pug Mill Feed Solution	Volume (liters)						Total
	Pug Mill Run Number (3)						
	394R	394F					
Plant Sludge	--	1519					1519
Neutralized Americium	5108	--					5108
Treated Strip	--	--					--
Raw KOH	--	--					--
Sight Glass Rinse Water (2)	79	159					238
Miscellaneous	88	--					88
Total Vol. Feed Solutions	5275	1678					6953

NOTES

- Includes <sup>241</sup>Am
- Water used to clean sight glass
- R - indicates feed solutions used to generate Retrievable Paste  
F - indicates feed solutions used to generate nonretrievable paste as the final portion of the Pug Mill Run.
- All drums sent to TA-54 this period were 200 liter fiber units and contained wastes with nonretrievable levels of TRU and <sup>238</sup>Pu.
- Number Reported is based on CMB-11 analysis.
- There was no H-7 analysis of this feed solution.
- Estimated.

GRAND Total Feed Solutions (liters)	6953
GRAND Total Cement Paste	9678
	SHAFTS      CMP
Total Milligrams <sup>238</sup> Pu in Feed Solution	.3      8 (6)
Total Grams <sup>239</sup> Pu in Feed Solution	.5      17 (6)
Total Grams <sup>241</sup> Am in Feed Solution	.08      14.68 (5)
Total Equivalent Grams <sup>239</sup> Pu in Feed Solution*	.6      753 (6)
Total mCi β-γ activity in Feed Solution	.99      7 (6)
Designation of Pit(s) Receiving Cement Paste	82
I.D. Nos. of CMP receiving Cement Paste	1186, 1187, 1188, 1189
Miscellaneous Drums of Waste Sent to Area "G", TA-54	0
* <sup>238</sup> Pu, <sup>239</sup> Pu, <sup>241</sup> Am expressed as <sup>239</sup> Pu. Actual H-7 Lab analysis of-	
Feed Solutions Indicate a total of 5.1/N.D. equivalent grams of <sup>239</sup> Pu based on gross α.	