



Attachment 2.

Drums Shipped to WIPP Impacted by CAR-03-083

Shipment Number	Shipment date	Drum number	Waste stream	Lower Range of Calibration	LLD Pu 240 Effective (mg)	TRU Alpha Act. Conc. Reported in	
						WWIS (nCi/g)	Generator assay (nCi/g)
LA030032	2-Sep-03	LA00000052085	LA-TA-55-19.02	Above	6.4	186	2,150
LA030032	2-Sep-03	LA00000052195	LA-TA-55-19.02	Above	6.1	205	548
LA030031	27-Aug-03	LA00000052348	LA-TA-55-19.02	Below	6.2	275	7,737
LA030028	15-Aug-03	LA00000052379	LA-TA-55-19.02	Below	5.9	260	1,566
LA030032	2-Sep-03	LA00000052580	LA-TA-55-19.02	Below	7.7	190	2,447
LA030032	2-Sep-03	LA00000052588	LA-TA-55-19.02	Above	6.3	257	561
LA030032	2-Sep-03	LA00000052649	LA-TA-55-19.02	Below	5.3	400	846
LA030028	15-Aug-03	LA00000052876	LA-TA-55-19.02	Above	6.1	273	1,608
LA030031	27-Aug-03	LA00000052995	LA-TA-55-19.02	Below	5.2	231	4,230
LA030031	27-Aug-03	LA00000053920	LA-TA-55-19.02	Above	5.8	334	1,341
LA030032	2-Sep-03	LA00000053988	LA-TA-55-19.02	Below	6.0	244	791
LA030032	2-Sep-03	LA00000053989	LA-TA-55-19.02	Above	6.7	304	4,056
LA030032	2-Sep-03	LA00000054304	LA-TA-55-19.02	Above	5.6	445	11,805
LA030032	2-Sep-03	LA00000054334	LA-TA-55-19.02	Below	7.3	382	4,610
LA030028	15-Aug-03	LA00000054340	LA-TA-55-19.02	Below	5.8	390	16,873
LA030037	13-Sep-03	LA00000054342	LA-TA-55-19.02	Above	6.6	320	11,197
LA030032	2-Sep-03	LA00000054345	LA-TA-55-19.02	Above	6.2	269	15,317
LA030032	2-Sep-03	LA00000054346	LA-TA-55-19.02	Below	10.1	262	7,752
LA030032	2-Sep-03	LA00000054352	LA-TA-55-19.02	Below	6.2	343	9,521
LA030029	19-Aug-03	LA00000054364	LA-TA-55-19.02	Below	6.0	258	2,728
LA030037	13-Sep-03	LA00000054385	LA-TA-55-19.02	Below	7.3	517	15,364
LA030032	2-Sep-03	LA00000054386	LA-TA-55-19.02	Below	5.3	250	9,713
LA030032	2-Sep-03	LA00000054396	LA-TA-55-19.02	Below	5.4	186	8,780
LA030031	27-Aug-03	LA00000054401	LA-TA-55-19.02	Above	6.2	1,530	3,564
LA030032	2-Sep-03	LA00000054422	LA-TA-55-19.02	Below	6.8	467	22,625
LA030028	15-Aug-03	LA00000054451	LA-TA-55-19.02	Above	6.1	4,220	13,266
LA030028	15-Aug-03	LA00000054454	LA-TA-55-19.02	Below	5.6	236	4,382
LA030032	2-Sep-03	LA00000054467	LA-TA-55-19.02	Above	6.0	261	8,619
LA030029	19-Aug-03	LA00000054478	LA-TA-55-19.02	Above	6.1	311	7,395
LA030032	2-Sep-03	LA00000054484	LA-TA-55-19.02	Above	6.1	305	9,664
LA030028	15-Aug-03	LA00000054490	LA-TA-55-19.02	Below	5.6	204	6,208
LA030031	27-Aug-03	LA00000054537	LA-TA-55-19.02	Below	6.4	274	2,794
LA030032	2-Sep-03	LA00000054538	LA-TA-55-19.02	Below	6.7	318	2,412
LA030031	27-Aug-03	LA00000054560	LA-TA-55-30	Above	6.7	257	1,874
LA030031	27-Aug-03	LA00000054578	LA-TA-55-19.02	Below	7.6	299	3,585
LA030031	27-Aug-03	LA00000054591	LA-TA-55-19.02	Above	6.1	368	2,887
LA030032	2-Sep-03	LA00000054655	LA-TA-55-19.02	Below	6.7	386	14,120
LA030031	27-Aug-03	LA00000054746	LA-TA-55-19.02	Above	7.2	174	5,341
LA030031	27-Aug-03	LA00000054750	LA-TA-55-19.02	Above	5.5	160	8,619
LA030032	2-Sep-03	LA00000054753	LA-TA-55-19.02	Above	6.0	415	3,112
LA030032	2-Sep-03	LA00000054816	LA-TA-55-19.02	Below	6.0	993	4,458
LA030032	2-Sep-03	LA00000054916	LA-TA-55-19.02	Below	6.7	278	1,365
LA030030	26-Aug-03	LA00000054918	LA-TA-55-19.02	Above	6.1	277	2,822
LA030032	2-Sep-03	LA00000054923	LA-TA-55-19.02	Below	6.6	216	3,357
LA030030	26-Aug-03	LA00000054943	LA-TA-55-19.02	Above	7.3	558	6,894
LA030031	27-Aug-03	LA00000054944	LA-TA-55-19.02	Below	6.2	167	3,401
LA030031	27-Aug-03	LA00000054987	LA-TA-55-19.02	Above	6.2	366	1,427
LA030031	27-Aug-03	LA00000055224	LA-TA-55-30	Below	3.5	1,190	964
LA030032	2-Sep-03	LA00000055820	LA-TA-55-19.02	Below	5.6	159	595
LA030033	4-Sep-03	LA00000055869	LA-TA-55-19.02	Above	7.0	3,200	787
LA030033	4-Sep-03	LA00000055946	LA-TA-55-19.02	Below	7.0	335	138
LA030032	2-Sep-03	LA00000055981	LA-TA-55-19.02	Below	6.0	288	833
LA030038	16-Sep-03	LA00000056285	LA-TA-55-19.02	Below	7.1	173	492
LA030031	27-Aug-03	LA00000056305	LA-TA-55-19.02	Below	4.8	229	1,695
LA030033	4-Sep-03	LA00000056307	LA-TA-55-19.02	Below	6.8	646	961
LA030037	13-Sep-03	LA00000056811	LA-TA-55-19.02	Below	6.6	182	533
LA030037	13-Sep-03	LA00000056812	LA-TA-55-19.02	Above	7.4	209	486
LA030031	27-Aug-03	LA00000056846	LA-TA-55-19.02	Above	7.9	347	1,666
LA030031	27-Aug-03	LA00000056882	LA-TA-55-19.02	Above	5.9	782	674
LA030032	2-Sep-03	LA00000057938	LA-TA-55-19.02	Above	6.4	478	489
LA030037	13-Sep-03	LAS802783	LA-TA-55-19.02	Above	7.4	382	1,012
LA030035	9-Sep-03	LAS803172	LA-TA-55-19.02	Below	7.3	878	364

SOS-428-2567  
 To: Steve Zappe  
 from Rajani - EPA

Rajani

Overpacked  
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031105.5



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## Drums Shipped to WIPP Impacted by CAR-03-083

Shipment Number	Shipment date	Drum number	Waste stream	Lower Range of Calibration	LLD Pu 240 Effective (mg)	TRU Alpha Act. Conc. Reported in		Generator assay (nCi/g)
						WWIS (nCi/g)	Generator assay (nCi/g)	
LA030031	27-Aug-03	LAS803187	LA-TA-55-30	Above	8.1	1,590	2,843	
LA030041	23-Sep-03	LAS803616	LA-TA-55-19.02	Above	6.7	141	44	
LA030037	13-Sep-03	LAS804991	LA-TA-55-19.02	Above	7.4	528	1,692	
LA030031	27-Aug-03	LAS811712	LA-TA-55-19.02	Above	6.8	10,600	585	
LA030038	16-Sep-03	LAS811757	LA-TA-55-19.02	Above	7.5	426	981	
LA030039	18-Sep-03	LAS815149	LA-TA-55-19.02	Above	7.3	270	394	
LA030031	27-Aug-03	LAS815287	LA-TA-55-30	Above	5.8	17,500	6,928	
LA030038	16-Sep-03	LAS816389	LA-TA-55-19.02	Above	7.5	710	2,504	
LA030039	18-Sep-03	LAS818324	LA-TA-55-30	Above	7.5	1,420	2,392	
LA030033	4-Sep-03	LAS822721	LA-TA-55-19.02	Above	7.4	11,600	1,598	Overpacked
LA030039	18-Sep-03	LAS824132	LA-TA-55-19.02	Below	7.0	272	174	
LA030035	9-Sep-03	LAS832475	LA-TA-55-19.02	Above	5.8	410	511	Overpacked
LA030038	16-Sep-03	LAS833022	LA-TA-55-19.02	Below	7.3	263	343	
LA030033	4-Sep-03	LAS841300	LA-TA-55-19.02	Above	5.8	404	669	Overpacked
LA030039	18-Sep-03	LAS841639	LA-TA-55-19.02	Above	7.5	693	1,685	
LA030039	18-Sep-03	LAS844196	LA-TA-55-19.02	Above	7.5	384	819	
LA030039	18-Sep-03	LAS844347	LA-TA-55-19.02	Below	6.5	1,430	4,057	
LA030035	9-Sep-03	LAS845184	LA-TA-55-19.02	Above	5.7	421	2,673	Overpacked
LA030039	18-Sep-03	LAS845316	LA-TA-55-30	Above	6.6	271	796	
LA030032	2-Sep-03	LAS851821	LA-TA-55-19.02	Below	5.8	307	14,608	
LA030031	27-Aug-03	LAS852956	LA-TA-55-30	Above	6.8	557	4,547	
LA030033	4-Sep-03	LAS853706	LA-TA-55-19.02	Above	6.8	1,010	11,162	Overpacked
LA030031	27-Aug-03	LAS853727	LA-TA-55-19.02	Below	6.7	832	1,447	
LA030041	23-Sep-03	LAS855314	LA-TA-55-19.02	Above	6.8	2,350	1,762	
LA030041	23-Sep-03	LAS855534	LA-TA-55-19.02	Below	6.8	583	1,782	
LA030032	2-Sep-03	LAS855545	LA-TA-55-30	Above	6.4	237	774	
LA030041	23-Sep-03	LAS855555	LA-TA-55-19.02	Above	6.8	772	1,963	
LA030030	26-Aug-03	LAS855557	LA-TA-55-19.02	Below	7.5	1,250	42,289	
LA030032	2-Sep-03	LAS855562	LA-TA-55-19.02	Above	8.6	12,700	18,753	
LA030031	27-Aug-03	LAS862284	LA-TA-55-30	Above	6.4	237	6,416	
LA030031	27-Aug-03	LAS862356	LA-TA-55-30	Below	5.2	183	5,156	
LA030040	20-Sep-03	LAS862358	LA-TA-55-30	Above	5.6	83	2,894	Overpacked
LA030030	26-Aug-03	LAS864339	LA-TA-55-30	Above	7.4	2,960	445	
LA030040	20-Sep-03	LAS864349	LA-TA-55-19.02	Above	6.8	269	394	Overpacked
LA030031	27-Aug-03	LAS870251	LA-TA-55-19.02	Below	6.2	347	3,695	
LA030032	2-Sep-03	LAS871849	LA-TA-55-19.02	Above	6.4	342	2,538	

## Definitions

Lower Range of Calibration

Pu 240 Effective Values reported, lower range of calibration is 5.5 mg.

LLD Pu 240 Effective

All measured below the LLD. The LLD is the lower limit of detection of the instrument.

Generator assay

Generator assay value is based on the sum of individual item assays, either by gamma or neutron counting depending on the item matrix.