

TABLE III-D

PEACH BOTTOM UNITS 2 & 3 - ISOTOPIC ANALYSIS OF LIQUID RADIOACTIVE RELEASES (in Curies) 1976

ISOTOPE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	Ci TOTAL
Strontium-89	1.39E-04	1.08E-05	1.58E-05	2.57E-05	3.18E-05	1.58E-05	2.39E-04
Strontium-90	9.73E-06	5.16E-06	5.24E-05	4.15E-06	5.91E-06	5.37E-06	3.56E-05
Cesium-134	3.44E-02	5.82E-04	-	1.97E-03	9.9E-04	7.3E-03	4.52E-02
Cesium-137	5.1E-02	9.549E-04	3.27E-04	2.7E-03	1.8E-03	9.8E-02	6.66E-02
Iodine-131	2.33E-03	8.87E-04	*	5.2E-04	7.9E-03	3.5E-03	1.51E-02
Cobalt-58	"	*	*	*	*	*	*
Cobalt-60	6.61E-04	*	8.6E-05	*	6.45E-04	2.2E-04	1.61E-03
Zinc-65	3.17E-03	*	*	4.5E-04	8.5E-04	4.5E-04	4.92E-03
Manganese-54	*	*	*	*	*	*	*
Chromium-51	*	9.1E-04	*	*	*	*	9.1E-04
Zirconium-95	*	*	*	*	3.0E-04	*	3.0E-04
Molybdenum-90	*	*	*	*	4.0E-04	*	4.0E-04
Lanthanum-140	*	4E-04	1.7E-04	*	*	*	5.7E-04
Arsenic-76	1.4E-03	2.04E-03	*	*	*	8.4E-04	4.28E-03
Sodium-24	1.05E-01	*	*	5.3E-03	1.2E-02	6.5E-03	1.29E-01
Neptunium-239	2.99E-03	*	*	4.7E-04	2.1E-03	*	5.56E-03
Iodine-132	1.2E-04	*	*	*	*	*	1.2E-04
Iodine-133	6.6E-04	6.3E-05	*	*	3.22E-04	1.3E-04	1.18E-03
Iodine-135	*	*	*	1.9E-04	*	*	1.9E-04
Total (Curies)	2.02E-01	5.85E-03	6.04E-04	1.16E-02	2.73E-02	2.88E-02	2.76E-01

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 CARLSDN90-452 PDR

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Cesium-134	3.44E-02	5.82E-04	-	1.97E-03	9.9E-04	7.3E-03	4.52E-02
Cesium-137	5.1E-02	9.549E-04	3.27E-04	2.7E-03	1.8E-03	9.8E-02	6.66E-02
Iodine-131	2.33E-03	8.87E-04	*	5.2E-04	7.9E-03	3.5E-03	1.51E-02
Cobalt-58	*	*	*	*	*	*	*
Cobalt-60	6.61E-04	*	8.6E-05	*	6.45E-04	2.2E-04	1.61E-03
Zinc-65	3.17E-03	*	*	4.5E-04	8.5E-04	4.5E-04	4.92E-03
Manganese-54	*	*	*	*	*	*	*
Chromium-51	*	9.1E-04	*	*	*	*	9.1E-04
Zirconium-95	*	*	*	*	3.0E-04	*	3.0E-04
Molybdenum-90	*	*	*	*	4.0E-04	*	4.0E-04
Lanthanum-140	*	4E-04	1.7E-04	*	*	*	5.7E-04
Arsenic-76	1.4E-03	2.04E-03	*	*	*	8.4E-04	4.28E-03
Sodium-24	1.05E-01	*	*	5.3E-03	1.2E-02	6.5E-03	1.29E-01
Neptunium-239	2.99E-03	*	*	4.7E-04	2.1E-03	*	5.56E-03
Iodine-132	1.2E-04	*	*	*	*	*	1.2E-04
Iodine-133	6.6E-04	6.3E-05	*	*	3.22E-04	1.3E-04	1.18E-03
Iodine-135	*	*	*	1.9E-04	*	*	1.9E-04
Total (Curies)	2.02E-01	5.85E-03	6.04E-04	1.16E-02	2.73E-02	2.88E-02	2.76E-01

* Less than minimum detectable activity.

Revised 9/7/77 Molybdenum 90 corrected to Molybdenum 99