

05JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1972 to December 31, 1972

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean(f) Range	Location with Highest Annual Mean Name, Distance and Direction	Mean(f) Range	Control Locations Mean(f) Range	Number of Nonroutine Reported Measurements
Table 2 Airborne Weekly Composite (pCi/cu.m)							
Gross Beta	380	0.0011	0.1008(61/342) (0.010- 0.830)	Camp San Onofre Camp Pen. 1.8 mi. NE	0.1158(31/ 38) (0.020- 0.830)	<LLD (0/ 38)	0
Table 4A Airborne Quarterly Composite (pCi/cu.m)							
Co-58	4	0.0010	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Co-60	4	0.0010	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-134	4	0.0010	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-137	4	0.0010	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 4A Airborne Quarterly Composite (pCi/cu.m)							
Zr(Nb)-95	4	0.0010	0.0195(4/ 4) (0.010- 0.030)	Camp San Onofre Camp Pen. 1.8 mi. NE	0.0200(2/ 2) (0.010- 0.030)	<LLD (0/ 0)	0
Table 4C Airborne Quarterly Composite (pCi/cu.m)							
Gross Alpha	44	0.0003	0.0020(7/ 40) (0.000- 0.006)	Camp San Onofre Camp Pen. 1.8 mi. NE	0.0025(4/ 4) (0.001- 0.006)	<LLD (0/ 4)	0
Sr-90	44	0.0030	<LLD (0/ 40)	ALL <LLD	-----	<LLD (0/ 4)	0

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Table 9d Drinking Water Quarterly Composite (pCi/l)							
	Gross Alpha	12	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
	Gross Beta	12	1.2857(7/ 12) (0.600- 2.400)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	1.6000(3/ 4) (0.800- 2.400)	<LLD (0/ 0)	0
Table 9e Drinking Water Quarterly Composite (pCi/l)							
	Ba(La)-140	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
	Co-58	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
	Co-60	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
	Cs-134	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
	Cs-137	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 9e Drinking Water Quarterly Composite (pCi/l)							
	Fe-59	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
	Gross Alpha	7	11.000(1/ 7) (11.000-11.000)	San Clemente Golf Course Well 3.5 mi. NNW	11.000(1/ 4) (11.000-11.000)	<LLD (0/ 0)	0
	Gross Beta	7	23.429(7/ 7) (20.000-29.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	24.000(3/ 3) (22.000-27.000)	<LLD (0/ 0)	0
	H-3	7	833.33(3/ 7) (400.00-1200.0)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	900.00(1/ 3) (900.00-900.00)	<LLD (0/ 0)	0
	I-131	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
	Mn-54	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
	Zn-65	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 9e Drinking Water Quarterly Composite (pCi/l)							
	Zr(Nb)-95	7	<LLD (0/ 7)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12a Non-Migratory Marine Quarterly Composite (pCi/g)							
			(0.029- 0.680)	Unit 1 Outfall 0.9 mi. WSW	(0.029- 0.680)		
	Co-58	4	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
	Co-60	4	0.0120(1/ 4) (0.012- 0.012)	Unit 1 Outfall 0.9 mi. WSW	0.0120(1/ 4) (0.012- 0.012)	<LLD (0/ 0)	0
	Cs-134	4	0.0130(1/ 4) (0.013- 0.013)	Unit 1 Outfall 0.9 mi. WSW	0.0130(1/ 4) (0.013- 0.013)	<LLD (0/ 0)	0
	Cs-137	4	0.0480(1/ 4) (0.048- 0.048)	Unit 1 Outfall 0.9 mi. WSW	0.0480(1/ 4) (0.048- 0.048)	<LLD (0/ 0)	0
	Fe-59	4	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12a Non-Migratory Marine Quarterly Composite (pCi/g)							
			(3.200-61.300)	Unit 1 Outfall 0.9 mi. WSW	(3.200-61.300)		
	I-131	4	<LLD (0/ 4) (1.000- 3.530)	ALL <LLD Unit 1 Outfall 0.9 mi. WSW	----- (1.000- 3.530)	<LLD (0/ 0)	0
	Mn-54	4	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 12a Non-Migratory Marine Quarterly Composite (pCi/g)							
	Sr-90	4	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
	Zn-65	4	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
	Zr(Nb)-95	4	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 13B LOCAL CROPS Semi-Annual Composite (pCi/g)							
			(12.000-14.000)	San Mateo Canyon 2.6 mi. NW	(12.000-14.000)		
cabbage	Sr-90	2	0.0005	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)
			(22.000-22.000)	San Mateo Canyon 2.6 mi. NW	(22.000-22.000)		
cauliflower	Sr-90	1	0.0005	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)
celery	Sr-90	1	0.0005	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)
Table 13B LOCAL CROPS Semi-Annual Composite (pCi/g)							
			(19.000-19.000)	San Mateo Canyon 2.6 mi. NW	(19.000-19.000)		
cucumber	Sr-90	2	0.0005	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)
			(16.000-27.000)	San Mateo Canyon 2.6 mi. NW	(16.000-27.000)		
tomato	Sr-90	3	0.0005	<LLD (0/ 3)	ALL <LLD	-----	<LLD (0/ 0)
Table 15 Kelp Semi-Annual Composite (pCi/g)							
macrocystis p.	Ce-144	2	0.0250	0.0147(1/ 1) (0.015- 0.015)	San Onofre Kelp Bed 1.5 mi. SSW	0.0119(1/ 1) (0.012- 0.012)	0
macrocystis p.	Co-58	2	0.0090	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 1)
macrocystis p.	Co-60	2	0.0100	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 1)
macrocystis p.	Cs-134	2	0.0080	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 1)

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macrocystis p.	Cs-137	2	0.0060	0.0078(1/ 1) (0.008- 0.008)	San Onofre Kelp Bed 1.5 mi. SSW	0.0078(1/ 1) (0.008- 0.008)	0.0059(1/ 1) (0.006- 0.006)	0
macrocystis p.	Fe-59	2	0.0180	<LLD (0/ 1)	ALL <LLD	----- <LLD (0/ 1)	0	

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Table 15								
Kelp								
Semi-Annual Composite (pCi/g)								
macrocystis p.	I-131	2	0.0200	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 1)	0
macrocystis p.	K-40	2	0.0770	1.5700(1/ 1) (1.570- 1.570)	Newport Beach 15.6 mi. NW	2.2800(1/ 1) (2.280- 2.280)	2.2800(1/ 1) (2.280- 2.280)	0
macrocystis p.	Mn-54	2	0.0070	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 1)	0
Table 15								
Kelp								
Semi-Annual Composite (pCi/g)								
macrocystis p.	Zn-65	2	0.0140	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 1)	0
macrocystis p.	Zr(Nb)-95	2	0.0140	<LLD (0/ 1)	Newport Beach 15.6 mi. NW	0.0297(1/ 1) (0.030- 0.030)	0.0297(1/ 1) (0.030- 0.030)	0