

05JUL91

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1973 to December 31, 1973

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	540	0.0011	0.0461(95/486) (0.020- 0.125)	San Clemente City SDG&E Offices 5.5 mi. NW	0.0517(44/ 54) (0.020- 0.125)	<LLD (0/ 54)	0
Table 4A Airborne Quarterly Composite (pCi/cu.m)								
	Co-58	2	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
	Co-60	2	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
	Cs-134	2	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
	Cs-137	2	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 4A Airborne Quarterly Composite (pCi/cu.m)								
	Zr(Nb)-95	2	0.0010	0.0110(2/ 2) (0.010- 0.012)	San Clemente City SDG&E Offices 5.5 mi. NW	0.0120(1/ 1) (0.012- 0.012)	<LLD (0/ 0)	0
Table 4C Airborne Quarterly Composite (pCi/cu.m)								
	Gross Alpha	44	0.0003	0.0019(7/ 40) (0.000- 0.007)	San Clemente City SDG&E Offices 5.5 mi. NW	0.0024(4/ 4) (0.000- 0.007)	<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	0.2110	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 4)	0
	Gross Beta	12	0.7380	1.5250(8/ 8) (0.600- 3.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	2.0500(4/ 4) (1.300- 3.000)	<LLD (0/ 4)	0
Table 9E Drinking Water Quarterly Composite (pCi/l)								
	Ba(La)-140	8	37.400	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
	Co-58	8	5.1000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
	Co-60	8	5.4000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
	Cs-134	8	4.6000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
	Cs-137	8	3.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 9E Drinking Water Quarterly Composite (pCi/l)								
	Fe-59	8	9.5000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
	Gross Alpha	8	0.6320	16.500(2/ 8) (7.000-26.000)	San Clemente Golf Course Well 3.5 mi. NNW	16.500(2/ 4) (7.000-26.000)	<LLD (0/ 0)	0
	Gross Beta	8	0.6990	23.875(8/ 8) (17.000-29.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	24.000(4/ 4) (18.000-29.000)	<LLD (0/ 0)	0
	H-3	8	102.00	1087.5(8/ 8) (300.00-2200.0)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	1250.0(4/ 4) (300.00-2200.0)	<LLD (0/ 0)	0
	I-131	8	0.5100	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
	Mn-54	8	3.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
	Zn-65	8	7.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 9E Drinking Water Quarterly Composite (pCi/l)								
	Zr(Nb)-95	8	7.7000	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
sand bass	Co-58	1	0.0070	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
sand bass	Co-60	1	0.0050	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
sand bass	Cs-134	1	0.0040	0.0250(1/ 1) (0.025- 0.025)	Unit 1 Outfall 0.9 mi. WSW	0.0250(1/ 1) (0.025- 0.025)	<LLD (0/ 0)	0
sand bass	Cs-137	1	0.0010	0.0580(1/ 1) (0.058- 0.058)	Unit 1 Outfall 0.9 mi. WSW	0.0580(1/ 1) (0.058- 0.058)	<LLD (0/ 0)	0
sand bass	Fe-59	1	0.0090	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
sand bass	I-131	1	0.0150	<LLD (0/ 1) (3.750- 3.750)	Unit 1 Outfall 0.9 mi. WSW	----- (3.750- 3.750)	<LLD (0/ 0)	0
sand bass	Mn-54	1	0.0030	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
sand bass	Sr-90	1	0.0200	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
sand bass	Zn-65	1	0.0070	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
sand bass	Zr(Nb)-95	1	0.0070	<LLD (0/ 1) (0.019- 0.095)	Unit 1 Outfall 0.9 mi. WSW	----- (0.019- 0.095)	<LLD (0/ 0)	0
spiny lobster	Co-58	2	0.0070	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
spiny lobster	Co-60	2	0.0050	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Cs-134	2	0.0040	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Cs-137	2	0.0010	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Fe-59	2	0.0090	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
				(12.500-14.400)	Unit 1 Outfall 0.9 mi. WSW	(12.500-14.400)		
spiny lobster	I-131	2	0.0150	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
				(2.260- 2.750)	Unit 1 Outfall 0.9 mi. WSW	(2.260- 2.750)		
spiny lobster	Mn-54	2	0.0030	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12A								
Non-Migratory Marine Quarterly Composite (pCi/g) (flesh type)								
spiny lobster	Sr-90	2	0.0200	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Zn-65	2	0.0070	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Zr(Nb)-95	2	0.0070	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12B								
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)								
				(0.080- 0.080)	Unit 1 Outfall 0.9 mi. WSW	(0.080- 0.080)		
spiny lobster	Co-58	1	0.0100	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Co-60	1	0.0110	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Cs-134	1	0.0100	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Cs-137	1	0.0080	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Fe-59	1	0.0200	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 12B							
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)							
spiny lobster	I-131	1 0.0400	<LLD (0/ 1) (1.680- 1.680)	ALL <LLD Unit 1 Outfall 0.9 mi. WSW	----- (1.680- 1.680)	<LLD (0/ 0)	0
spiny lobster	Mn-54	1 0.0080	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Sr-90	1 0.0120	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12B							
Non-Migratory Marine Quarterly Composite (pCi/g) (bone type)							
spiny lobster	Zn-65	1 0.0160	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
spiny lobster	Zr(Nb)-95	1 0.0160	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 13B							
Local Crops Semi-Annual Composite (pCi/g)							
bell pepper	Sr-90	1 0.0005	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
cabbage	Sr-90	2 0.0005	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0
cauliflower	Sr-90	1 0.0005	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 13B							
Local Crops Semi-Annual Composite (pCi/g)							
celery	Sr-90	1 0.0005	<LLD (0/ 1)	ALL <LLD	-----	<LLD (0/ 0)	0
corn	Sr-90	1 0.0005	<LLD (0/ 1) (20.000-20.000)	ALL <LLD San Mateo Canyon 2.6 mi. NW	----- (20.000-20.000)	<LLD (0/ 0)	0
cucumber	Sr-90	2 0.0005	<LLD (0/ 2)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 13B Local Crops Semi-Annual Composite (pCi/g)							
squash	Sr-90	1 0.0005	<LLD (0/ 1) (69.000-100.00)	ALL <LLD San Mateo Canyon 2.6 mi. NW	----- (69.000-100.00)	<LLD (0/ 0)	0
tomato	Sr-90	3 0.0005	<LLD (0/ 3)	ALL <LLD	-----	<LLD (0/ 0)	0