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ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY
 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1975 to December 31, 1975

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 1A Direct Radiation Quarterly Composite (millirem)							
Gamma Exposure	276	5.0000	30.673(49/268) (24.100-49.000)	Camp Las Pulgas 8.5 mi. E	35.250(2/ 4) (34.200-36.300)	<LLD (0/ 8)	0
Table 1B Direct Radiation Annual Composite (millirem)							
Gamma Exposure	69	5.0000	105.60(10/ 67) (78.000-160.00)	Former Visitors Center 0.3 mi. NW	160.00(1/ 1) (160.00-160.00)	<LLD (0/ 2)	0
Table 2 Airborne Weekly Composite (pCi/cu.m)							
Gross Beta	540	0.0011	0.0855(77/486) (0.012- 0.620)	Camp San Onofre Camp Pen. 1.8 mi. NE	0.1337(28/ 54) (0.018- 0.620)	0.0790(47/ 54) (0.019- 0.320)	0
Table 3 Airborne Weekly Composite (pCi/cu.m)							
I-131	540	0.0430	<LLD (0/486)	ALL <LLD	-----	<LLD (0/ 54)	0
Table 4A Airborne Quarterly Composite (pCi/cu.m)							
Co-58	8	0.0010	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Co-60	8	0.0010	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Cs-134	8	0.0010	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Cs-137	8	0.0010	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0

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Table 4A Airborne Quarterly Composite (pCi/cu.m)							
	Zr(Nb)-95	8	0.0010	0.0238(6/ 6) (0.005- 0.054)	Camp San Onofre Camp Pen. 1.8 mi. NE	0.0320(2/ 2) (0.010- 0.054) (0.012- 0.026)	0
Table 4C Airborne Quarterly Composite (pCi/cu.m)							
	Gross Alpha	44	0.0003	0.0007(9/ 40) (0.000- 0.002)	Camp San Onofre Camp Pen. 1.8 mi. NE	0.0011(3/ 4) (0.001- 0.002) (0.000- 0.001)	0
	Sr-90	44	0.0030	0.0025(4/ 40) (0.001- 0.005)	Camp San Onofre Camp Pen. 1.8 mi. NE	0.0050(1/ 4) (0.005- 0.005) (0.002- 0.002)	0
Table 5 Ocean Water Monthly Composite (pCi/l)							
	Ba(La)-140	12	28.600	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0
	Co-58	12	4.9000	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0
	Co-60	12	5.3000	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0
	Cs-134	12	4.6000	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0
	Cs-137	12	3.7000	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0
Table 5 Ocean Water Monthly Composite (pCi/l)							
	Fe-59	12	8.8000	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0
	I-131	12	25.500	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0
	Mn-54	12	3.7000	<LLD (0/ 6)	ALL <LLD	----- <LLD (0/ 6)	0

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Table 5 Ocean Water Monthly Composite (pCi/l)								
	Zn-65	12	7.6000	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 6)	0
	Zr(Nb)-95	12	7.3000	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 6)	0
Table 6 Ocean Water Bi-Monthly Composite (pCi/L)								
	Gross Beta	24	105.00	835.00(6/ 18) (660.00-1000.0)	Newport Beach 30 mi. NW	866.67(6/ 6) (740.00-1250.0)	866.67(6/ 6) (740.00-1250.0)	0
Table 7 Ocean Water Quarterly Composite (pCi/l)								
	Tritium	8	102.00	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 9b Drinking Water Monthly Composite (pCi/l)								
	Gross Alpha	36	*	0.3920(5/ 36) (0.160- 0.770)	Huntington Beach 37 mi. NW	0.4650(2/ 12) (0.160- 0.770)	<LLD (0/ 0)	0
	Gross Beta	36	*	1.6794(34/ 36) (0.600- 4.700)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	2.0000(12/ 12) (0.900- 4.700)	<LLD (0/ 0)	0
Table 9c Drinking Water Monthly Composite (pCi/l)								
	Gross Alpha	36	*	3.7500(4/ 36) (2.000- 7.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	5.0000(2/ 12) (3.000- 7.000)	<LLD (0/ 0)	0
	Gross Beta	36	*	14.382(34/ 36) (5.200-26.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	20.917(12/ 12) (13.000-26.000)	<LLD (0/ 0)	0

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Table 9d Drinking Water Quarterly Composite (pCi/l)							
Gross Alpha	12	*	0.3380(5/ 12) (0.110- 1.000)	San Clemente Golf Course Well 3.5 mi. NNW	0.4400(3/ 4) (0.120- 1.000)	<LLD (0/ 0)	0
Gross Beta	12	*	1.4333(12/ 12) (0.400- 4.300)	San Clemente Golf Course Well 3.5 mi. NNW	1.5750(4/ 4) (0.400- 4.300)	<LLD (0/ 0)	0
Table 9e Drinking Water Quarterly Composite (pCi/l)							
Ba(La)-140	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Co-58	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Co-60	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-134	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-137	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 9e Drinking Water Quarterly Composite (pCi/l)							
Fe-59	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Gross Alpha	12	*	3.0000(1/ 12) (3.000- 3.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	3.0000(1/ 4) (3.000- 3.000)	<LLD (0/ 0)	0
Gross Beta	12	*	14.258(12/ 12) (5.400-24.000)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	21.000(4/ 4) (19.000-24.000)	<LLD (0/ 0)	0
H-3	12	*	333.33(3/ 12) (300.00-400.00)	Tri-Cities Munic. Water Dist. Res. 8.7 mi. NW	350.00(2/ 4) (300.00-400.00)	<LLD (0/ 0)	0
I-131	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Mn-54	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Zn-65	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 9e Drinking Water Quarterly Composite (pCi/l)								
	Zr(Nb)-95	12	*	<LLD (0/ 12)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 10 Shoreline Sediment Semi-Annual Composite (pCi/g)								
	Co-58	8	0.0090	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Co-60	8	0.0090	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Cs-134	8	0.0080	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Cs-137	8	0.0070	0.0185(4/ 6) (0.009- 0.028)	San Onofre Surfing Beach 0.9 mi. NW	0.0245(2/ 2) (0.021- 0.028)	<LLD (0/ 2)	0
	Fe-59	8	0.0170	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 10 Shoreline Sediment Semi-Annual Composite (pCi/g)								
	I-131	8	0.0690	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Mn-54	8	0.0070	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
	Ra-226	8	0.0130	0.2417(6/ 6) (0.140- 0.450)	San Onofre Surfing Beach 0.9 mi. NW	0.3400(2/ 2) (0.230- 0.450)	0.1220(2/ 2) (0.054- 0.190)	0
	Zn-65	8	0.0140	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 10 Shoreline Sediment Semi-Annual Composite (pCi/g)								
	Zr(Nb)-95	8	0.0140	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0

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Table 11 Ocean Bottom Sediments Semi-Annual Composite (pCi/g)							
				Newport Beach 18.2 mi. NW	(0.070- 0.070)	(0.070- 0.070)	
	Co-58	6	0.0080	<LLD (0/ 4)	ALL <LLD	<LLD (0/ 2)	0
	Co-60	6	0.0080	0.0120(1/ 4) (0.012- 0.012)	Unit 1 Outfall 0.6 mi. W	0.0120(1/ 2) (0.012- 0.012)	<LLD (0/ 2) 0
	Cs-134	6	0.0070	<LLD (0/ 4)	ALL <LLD	<LLD (0/ 2)	0
	Cs-137	6	0.0060	0.0418(4/ 4) (0.019- 0.059)	Unit 1 Outfall 0.6 mi. W	0.0470(2/ 2) (0.035- 0.059)	0.0105(2/ 2) (0.010- 0.011)
	Fe-59	6	0.0150	<LLD (0/ 4)	ALL <LLD	<LLD (0/ 2)	0
Table 11 Ocean Bottom Sediments Semi-Annual Composite (pCi/g)							
	I-131	6	0.0170	<LLD (0/ 4)	ALL <LLD	<LLD (0/ 2)	0
	Mn-54	6	0.0060	0.0130(1/ 4) (0.013- 0.013)	Unit 1 Outfall 0.6 mi. W	0.0130(1/ 2) (0.013- 0.013)	<LLD (0/ 2) 0
	Ra-226	6	0.0120	0.4525(4/ 4) (0.320- 0.630)	Unit 1 Outfall 0.8 mi. SSW	0.4750(2/ 2) (0.320- 0.630)	0.2205(2/ 2) (0.121- 0.320)
	Zn-65	6	0.0120	<LLD (0/ 4)	ALL <LLD	<LLD (0/ 2)	0
Table 11 Ocean Bottom Sediments Semi-Annual Composite (pCi/g)							
	Zr(Nb)-95	6	0.0120	<LLD (0/ 4)	ALL <LLD	<LLD (0/ 2)	0

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Table 12a Non-Migratory Marine Quarterly Composite (pCi/g)							
			(0.050- 0.310)	Unit 1 Outfall 0.9 mi. WSW	(0.050- 0.310)		
			(0.040- 0.040)	Newport Beach 18.2 mi. NW	(0.040- 0.040)		
Co-58	31	*	0.1330(3/ 31) (0.041- 0.200)	Unit 1 Outfall 0.9 mi. WSW	0.1330(3/ 16) (0.041- 0.200)	<LLD (0/ 0)	0
Co-60	31	*	0.0195(2/ 31) (0.015- 0.024)	Unit 1 Outfall 0.9 mi. WSW	0.0195(2/ 16) (0.015- 0.024)	<LLD (0/ 0)	0
Cs-134	31	*	<LLD (0/ 31)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-137	31	*	0.0102(17/ 31) (0.003- 0.014)	Newport Beach 18.2 mi. NW	0.0107(10/ 15) (0.004- 0.014)	<LLD (0/ 0)	0
Fe-59	31	*	<LLD (0/ 31)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12a Non-Migratory Marine Quarterly Composite (pCi/g)							
			(0.900-36.000)	Unit 1 Outfall 0.9 mi. WSW	(2.800-33.000)		
I-131	31	*	<LLD (0/ 31)	ALL <LLD	-----	<LLD (0/ 0)	0
Mn-54	31	*	<LLD (0/ 31) (0.017- 0.050)	ALL <LLD Newport Beach 18.2 mi. NW	----- (0.050- 0.050)	<LLD (0/ 0)	0
Table 12a Non-Migratory Marine Quarterly Composite (pCi/g)							
Sr-90	31	*	<LLD (0/ 31)	ALL <LLD	-----	<LLD (0/ 0)	0
Zn-65	31	*	<LLD (0/ 31)	ALL <LLD	-----	<LLD (0/ 0)	0
Zr(Nb)-95	31	*	0.0340(2/ 31) (0.008- 0.060)	Newport Beach 18.2 mi. NW	0.0340(2/ 15) (0.008- 0.060)	<LLD (0/ 0)	0

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Table 12b Non-Migratory Marine Quarterly Composite (pCi/g)							
			(0.024- 0.130)	Unit 1 Outfall 0.9 mi. WSW	(0.024- 0.130)		
Co-58	24	*	0.0380(1/ 24) (0.038- 0.038)	Unit 1 Outfall 0.9 mi. WSW	0.0380(1/ 12) (0.038- 0.038)	<LLD (0/ 0)	0
Co-60	24	*	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-134	24	*	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-137	24	*	0.0110(1/ 24) (0.011- 0.011)	Unit 1 Outfall 0.9 mi. WSW	0.0110(1/ 12) (0.011- 0.011)	<LLD (0/ 0)	0
Fe-59	24	*	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12b Non-Migratory Marine Quarterly Composite (pCi/g)							
I-131	24	*	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 0)	0
Mn-54	24	*	<LLD (0/ 24) (0.040- 0.140)	ALL <LLD Unit 1 Outfall 0.9 mi. WSW	----- (0.140- 0.140)	<LLD (0/ 0)	0
Sr-90	24	*	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 12b Non-Migratory Marine Quarterly Composite (pCi/g)							
Zn-65	24	*	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 0)	0
Zr(Nb)-95	24	*	<LLD (0/ 24)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 13a							
Local Crops							
Semi-Annual Composite (pCi/g)							
Co-58	8	*	0.1600(1/ 8) (0.160- 0.160)	SE of Oceanside 22 mi. SE	0.1600(1/ 4) (0.160- 0.160)	<LLD (0/ 0)	0
Co-60	8	*	0.0940(1/ 8) (0.094- 0.094)	SE of Oceanside 22 mi. SE	0.0940(1/ 4) (0.094- 0.094)	<LLD (0/ 0)	0
Cs-134	8	*	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
Cs-137	8	*	0.0700(1/ 8) (0.070- 0.070)	SE of Oceanside 22 mi. SE	0.0700(1/ 4) (0.070- 0.070)	<LLD (0/ 0)	0
I-131	8	*	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0

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Table 13a Local Crops Semi-Annual Composite (pCi/g)								
	Zr(Nb)-95	8	*	<LLD (0/ 8)	ALL <LLD	-----	<LLD (0/ 0)	0
Table 13B LOCAL CROPS Semi-Annual Composite (pCi/g)								
cabbage	Sr-90	1	0.0005	0.0660(1/ 1) (0.066- 0.066)	San Mateo Canyon 2.6 mi. NW	0.0660(1/ 1) (0.066- 0.066)	<LLD (0/ 0)	0
corn	Sr-90	2	0.0005	<LLD (0/ 1)	ALL <LLD SE of Oceanside 22 mi. SE	----- (32.000-32.000)	<LLD (0/ 1) (32.000-32.000)	0
cucumber	Sr-90	1	0.0005	<LLD (0/ 0)	SE of Oceanside 22 mi. SE	0.0770(1/ 1) (0.077- 0.077)	0.0770(1/ 1) (0.077- 0.077)	0
Table 13B LOCAL CROPS Semi-Annual Composite (pCi/g)								
tomato	Sr-90	4	0.0005	0.0155(2/ 2) (0.013- 0.018)	SE of Oceanside 22 mi. SE	0.0170(2/ 2) (0.015- 0.019)	0.0170(2/ 2) (0.015- 0.019)	0
Table 14 Soil Samples Annual Composite (pCi/g)								
	Co-58	5	0.0100	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0
	Co-60	5	0.0110	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0
	Cs-134	5	0.0090	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0
	Cs-137	5	0.0070	0.0880(1/ 4) (0.088- 0.088)	Old Route 101-ESE 3.0 mi. ESE	0.0880(1/ 1) (0.088- 0.088)	0.0420(1/ 1) (0.042- 0.042)	0
	I-131	5	0.0210	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0

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Table 14 Soil Samples Annual Composite (pCi/g)								
	Sr-89	5	0.0070	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0
	Sr-90	5	0.0070	0.0260(2/ 4) (0.022- 0.030)	Huntington Beach Generating Station 37 mi. NW	0.0600(1/ 1) (0.060- 0.060)	0.0600(1/ 1) (0.060- 0.060)	0
	Zr(Nb)-95	5	0.0150	<LLD (0/ 4)	ALL <LLD	-----	<LLD (0/ 1)	0
Table 15 Kelp Semi-Annual Composite (pCi/g)								
macrocystis p.	Co-58	8	0.0090	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Co-60	8	0.0100	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Cs-134	8	0.0080	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Cs-137	8	0.0060	0.0046(4/ 6) (0.004- 0.006)	San Mateo Kelp Bed 3.8 mi. WNW	0.0056(1/ 2) (0.006- 0.006)	<LLD (0/ 2)	0
macrocystis p.	Fe-59	8	0.0180	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
Table 15 Kelp Semi-Annual Composite (pCi/g)								
macrocystis p.	H-3 Bound	8	0.4660	2.1667(3/ 6) (2.000- 2.300)	San Onofre Kelp Bed 1.5 mi. SSW	2.3000(1/ 2) (2.300- 2.300)	1.7000(1/ 2) (1.700- 1.700)	0
macrocystis p.	I-131	8	0.0200	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Mn-54	8	0.0070	<LLD (0/ 6) (0.038- 0.038)	ALL <LLD Kelp Bed 3.8 mi. WNW	----- (0.038- 0.038)	<LLD (0/ 2)	0

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 Docket Nos. 50-206, 50-361, 50-362
 Reporting period: January 1, 1975 to December 31, 1975

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 15							
Kelp							
Semi-Annual Composite (pCi/g)							
macrocystis p.	Zn-65	8 0.0140	<LLD (0/ 6)	ALL <LLD	-----	<LLD (0/ 2)	0
macrocystis p.	Zr(Nb)-95	8 0.0140	0.0083(3/ 6) (0.007- 0.011)	Barn Kelp Bed 6.3 mi. SSE	0.0110(1/ 2) (0.011- 0.011)	<LLD (0/ 2)	0