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PG&E Letter DCL-02-051

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Docket No. 50-275, OL-DPR-80
Docket No. 50-323, OL-DPR-82
Diablo Canyon Units 1 and 2
2001 Annual Radiological Environmental Operating Report

Dear Commissioners and Staff:

Enclosed is the 2001 Annual Radiological Environmental Operating Report for Diablo Canyon Power Plant, Units 1 and 2, submitted in accordance with Technical Specification 5.6.2. The enclosure contains material consistent with the objectives of the Offsite Dose Calculation Manual, and in 10 CFR 50, Appendix I, Sections IV.B.2, IV.B.3, and IV.C.

Should you have any questions regarding this submittal, please contact Bob Lorenz at (925) 866-5302.

Sincerely,

David H. Oatley

lmp/1813/R0219570
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REPORT

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TECHNICAL AND
ECOLOGICAL SERVICES

TES

2001 Annual Radiological Environmental Operating Report Diablo Canyon Power Plant

Prepared by

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EXECUTIVE SUMMARY

This report contains results from the operational Radiological Environmental Monitoring Program (REMP) for Diablo Canyon Power Plant (DCPP) compiled for the period January 1, 2001, through December 31, 2001. This program is conducted in accordance with DCPP Program Directive CY2, "Radiological Monitoring and Controls Program," and procedure RP1.ID11, "Environmental Radiological Monitoring Procedure."

The results of the 2001 REMP showed no unusual findings from plant operations, and that the operation of DCPP had no significant radiological impact on the environment. Plant operations had no significant impact on airborne radioactivity in the environment. The ambient direct radiation levels in the DCPP environs did not change and were within the preoperational range. Four out of 36 surface water samples contained tritium above detection levels, but at levels below reporting levels for tritium. The plant had no significant impact on surface water. Food crops sampled during their growing season and milk samples collected detected only naturally occurring radioactivity; and therefore, there was no impact from plant operation. One out of 77 marine samples contained other than naturally occurring radionuclides. This sample was an algae sample collected from Diablo Cove containing cobalt-58 slightly above the detection level. Low concentrations of various plant related radionuclides have been detected in algae collected from Diablo Cove several times in the operational period. However, the detected radionuclide concentrations have been random and near detection levels so one can conclude that there is no increasing trend in radioactivity concentrations in algae in Diablo Cove.

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Section 1

INTRODUCTION

Diablo Canyon Power Plant (DCPP) consists of two Westinghouse pressurized water reactors. Unit 1 began commercial operation in 1985, and Unit 2 began commercial operation in 1986. This report contains results from the operational Radiological Environmental Monitoring Program (REMP) for DCPP compiled for the period January 1, 2001, through December 31, 2001. This program was designed to identify and quantify ambient radioactivity concentrations in the DCPP environs and to determine whether there were any significant increases in the concentration of radionuclides, attributable to plant operations, in the critical dose pathways from the environment to man. Also included in this report are the results of PG&E's Technical and Ecological Services (TES) participation in an external lab cross check program, a discussion of the TES results compared with the results from the State of California Department of Health Services (DHS) Sanitation and Radiation Laboratory (SRL) of the same or duplicate samples, and the current land use census of the plant environs conducted by plant personnel.

DCPP ENVIRONMENTAL MONITORING PROGRAM

The REMP was conducted in accordance with DCPP Program Directive CY2, "Radiological Monitoring and Controls Program," and RP1.ID11, "Environmental Radiological Monitoring Procedure."

The environmental media selected were based on the critical dose pathways of the radionuclides from the environment to man. They included the following: direct radiation, air, water, fish, and invertebrates. Supplemental samples such as algae, local agricultural crops, and milk were also collected. The collection frequency of the samples from the different media is summarized in Table 1. The samples were collected by PG&E's DCPP personnel.

The sampling locations were determined by land use, site meteorology, and local demographics. The distances and directions to the environmental monitoring stations are listed in Table 2. The off-site and on-site stations are shown in Figures 1 and 2, respectively.

Table 1

Summary of the Radiological Environmental Monitoring Program

Exposure Pathway and/or Sample	Sampling Locations[b]	Type of Analysis	Collection Frequency
Direct radiation[a]	31 stations (MT1, WN1, OS1, 5S1, 6S1, 8S1, 8S2, 5S3, 2D1, 4D1, 5F1, 1A1, 7D2, 7G2, 7C1, 7F1, OB1, 7D1, 4C1, OS2, 1S1, 2S1, 3S1, 4S1, 7S1, 9S1, 1C1, 5C1, 3D1, 6D1, 5F3)	Gamma exposure	Quarterly
Particulate filters	7 stations (MT1, OS2, 1S1, 5F1, 7D1, 8S1, 8S2)	Gross beta, gamma isotopic	Weekly[c] Quarterly composite
Iodine cartridges	7 stations (MT1, OS2, 1S1, 5F1, 7D1, 8S1, 8S2)	Gamma for I-131	Weekly
Surface water	3 stations (DCM, 7C2, OUT)	Gamma isotopic, tritium	Monthly
Drinking water	2 stations (DW1, 5S2)	Gamma isotopic, radioiodine, tritium	Monthly
Sediment	Diablo Cove (DCM) Rattlesnake Canyon (7C2)	Gamma isotopic	Annually
Intertidal algae[d]	Diablo Cove (DCM) Rattlesnake Canyon (7C2)	Gamma isotopic	Quarterly if Available
Kelp[d]	Diablo Cove (DCM) Pacific Ocean North (PON) Pacific Ocean South (POS) Rattlesnake Canyon (7C2)	Gamma isotopic	Quarterly if Available
Milk[d]	1 station (5F2)	Gamma isotopic, radioiodine	Monthly

Table Notation:

(a) Three TLD badges are placed at each station.

(b) See Figures 1 and 2 for locations.

(c) Filters changed weekly or more frequently as required by dust loading; analyzed at least 24 hours after filter change.

(d) Supplemental sample.

Table 1 (continued)

Summary of the Radiological Environmental Monitoring Program

Exposure Pathway and/or Sample	Sampling Locations[b]	Type of Analysis	Collection Frequency
Rockfish (Sebastes sp.)	Diablo Cove (DCM) Pacific Ocean North (PON)[d] Pacific Ocean South (POS)[d] Rattlesnake Canyon (7C2)	Gamma isotopic	Quarterly if Available
Perch (Family Embiotocidae)	Diablo Cove (DCM) Pacific Ocean North (PON)[d] Pacific Ocean South (POS)[d] Rattlesnake Canyon (7C2)	Gamma isotopic	Quarterly if Available
Fish (species unspecified)	Fish Market at Avila Pier (7D3)[d]	Gamma isotopic	Quarterly if Available
Mussels (Mytilus californianus)	Diablo Cove (DCM) Pacific Ocean North (PON)[d] Pacific Ocean South (POS)[d] Rattlesnake Canyon (7C2)	Gamma isotopic	Quarterly if Available
Red abalone[d] (Haliotis refescens)	Diablo Cove (DCM) Rattlesnake Canyon (7C2)	Gamma isotopic	Semiannually if Available
Food crops[d]	4 stations (5F2, 7G1, 7C1, 6C1)	Gamma isotopic	Monthly if available (6C1 is sampled quarterly)

Table Notation:

[a] Three TLD badges are placed at each station.
[b] See Figures 1 and 2 for locations.
[c] Filters changed weekly or more frequently as required by dust loading; analyzed at least 24 hours after filter change.
[d] Supplemental sample.

Table 2

Distances and Directions to Environmental Monitoring Stations*

Station Code[a]	Station Name	Radial Direction** (True Heading) (Degrees)	Radial Distance** From Plant (km)	(Miles)
ØS1	Exclusion Fence-Northwest Corner	320	0.2	(0.1)
ØS2	North Gate	320	0.8	(0.5)
1S1	Wastewater Pond	330	0.6	(0.4)
2S1	Back Road-300 m North of Plant	0	0.3	(0.2)
3S1	Road NW of 230 kV Switchyard	23	0.6	(0.4)
4S1	Back Road between Switchyard	43	0.8	(0.5)
5S1	500 kV Switchyard	58	0.6	(0.4)
5S2	Diablo Creek Weir	65	1.0	(0.6)
5S3	Microwave Tower Road	70	1.0	(0.7)
6S1	Microwave Tower	94	0.8	(0.5)
7S1	Overlook Road	112	0.5	(0.3)
8S1	Target Range	125	0.8	(0.5)
8S2	Southwest Site Boundary (Sec. Met Tower)	128	1.8	(1.1)
9S1	South Cove	167	0.6	(0.4)
MT1	Meteorological Tower	185	0.3	(0.2)
DCM	Diablo Cove	270	0.3	(0.2)
WN1	Northwest Guard Shack	290	0.3	(0.2)
1A1	Crowbar Canyon	327	2.6	(1.6)
ØB1	Point Buchon	325	5.8	(3.6)
1C1	Montana de Oro Campground	336	7.5	(4.7)
4C1	Clark Valley Gravel Pit	45	9.3	(5.8)
5C1	Junction Prefumo/See Canyon roads	64	7.5	(4.7)
6C1	Household garden (nearest site boundary)	97.5	7.2	(4.6)
7C1	Pecho Creek Ruins (Mello Farm)	120	6.6	(4.1)
7C2	Rattlesnake Canyon	124	7.5	(4.7)
2D1	Sunnyside School	10	11.0	(6.9)
3D1	Clark Valley	24	9.9	(6.2)
4D1	Los Osos School	36	12.2	(7.6)
6D1	Junction See Canyon/Davis Canyon roads	89	12.0	(7.5)
7D1	Avila Gate	118	10.6	(6.6)
7D2	Avila Beach	110	12.2	(7.6)
7D3	Avila Pier	120	11.0	(6.9)
2F1	Morro Bay (Commercial Landing)	0	17.4	(10.9)
5F1	SLO Zone 1 Substation	68	17.9	(11.2)
5F2	Cal Poly Farm	60	20.2	(12.6)
5F3	SLO County Health Department	70	20.3	(12.7)
7F1	Shell Beach	110	17.3	(10.8)
7G1	Arroyo Grande (Kawaoka Farm)	115	26.9	(16.8)
7G2	Oceano Substation	118	27.7	(17.3)
OUT	Plant Outfall	270	0.3	(0.2)
DW1	Drinking Water	On-site	---	---
PON	Pacific Ocean North of Diablo Cove	305	2.4	(1.5)
POS	Pacific Ocean South of Diablo Cove	145	1.3	(0.8)

*Stations are shown in Figures 1 and 2.

**The reference point used is the dome of Unit 1 containment.

Table 2 (continued)

Distances and Directions to Environmental Monitoring Stations

(a) Station Code (XYZ):

X - First number (0-9) represents the radial sector in which the station is located:

0 - Northwest
1 - North-northwest
2 - North
3 - North-northeast
4 - Northeast
5 - East-northeast
6 - East
7 - East-southeast
8 - Southeast
9 - South-southeast

Y - Letter (S, A-H) represents the distance from the plant:

S – On-site
A - 0-2 miles from plant (but off-site)
B - 2-4 miles from plant
C - 4-6 miles from plant
D - 6-8 miles from plant
E - 8-10 miles from plant
F - 10-15 miles from plant
G - 15-20 miles from plant
H - Greater than 20 miles from plant

Z - Second number represents the station number within the zone.

Station Code (DCM, MT1, WN1, PON, POS, OUT, DW1):

The following stations do not follow the coding system: Diablo Cove Marine (DCM), Meteorological Tower (MT1), Northwest guard shack (WN1), Pacific Ocean North (PON), Pacific Ocean South (POS), Plant Outfall (OUT), and Drinking Water (DW1).

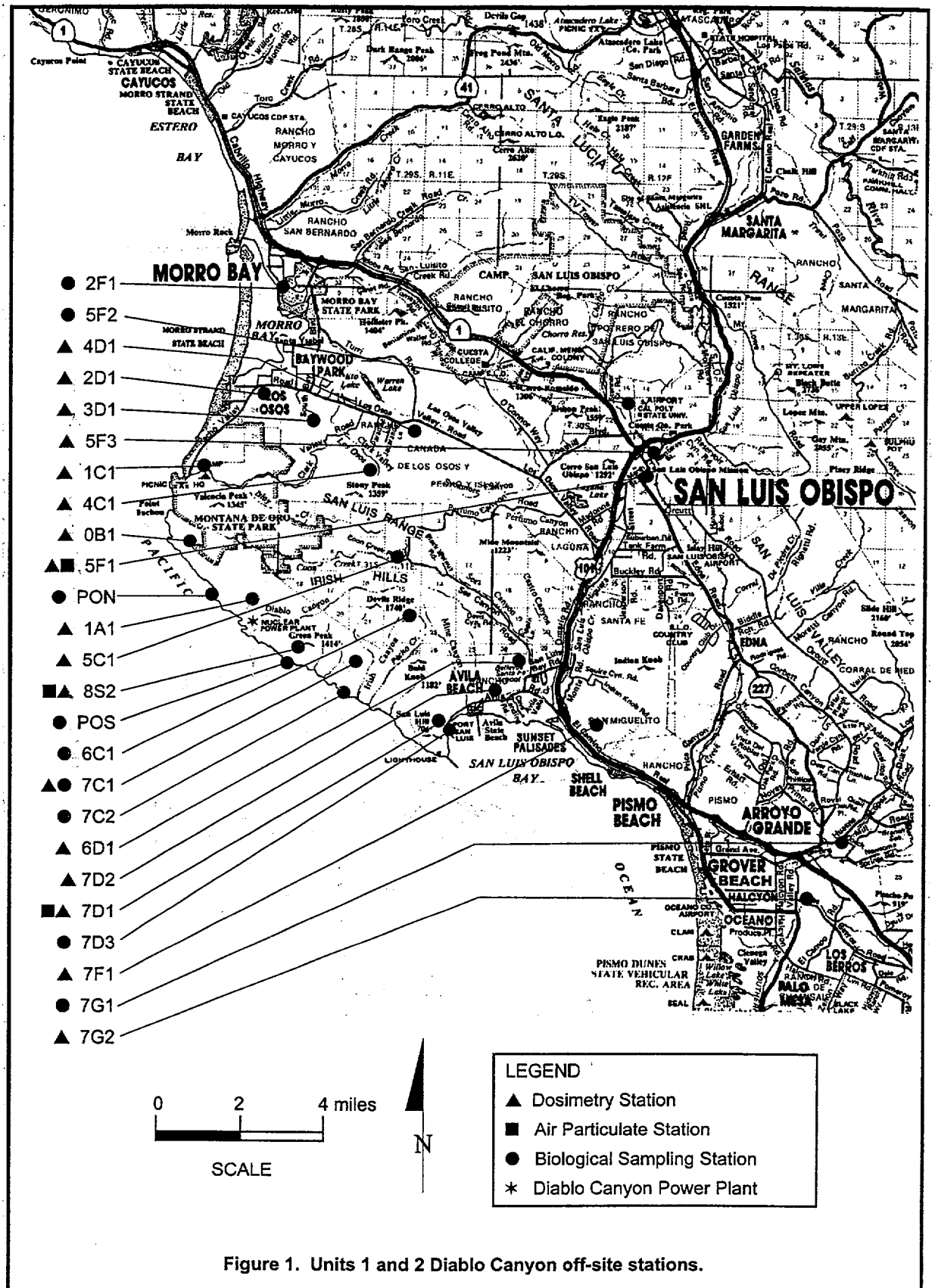

Figure 1. Units 1 and 2 Diablo Canyon off-site stations.

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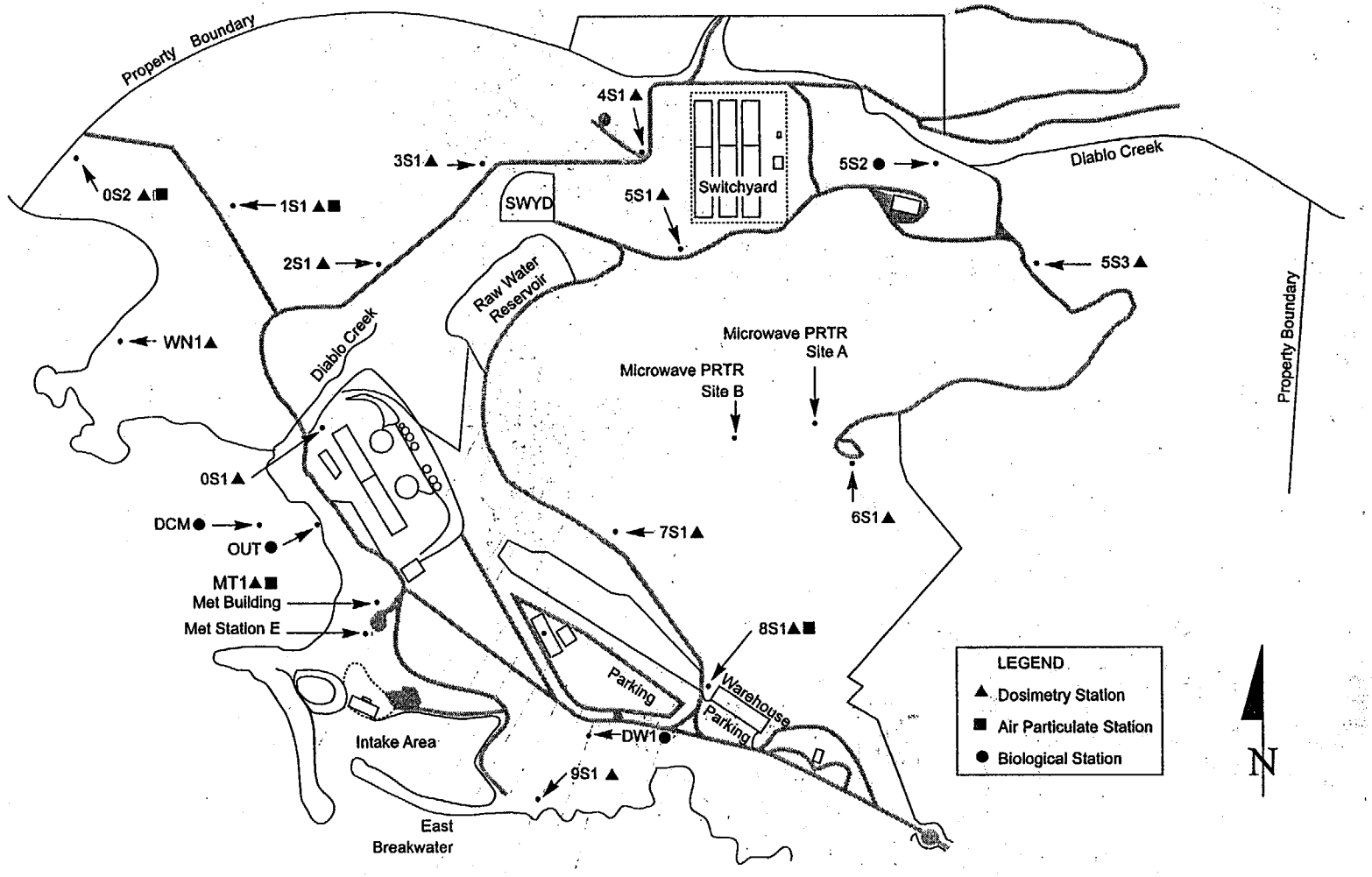

Figure 2. Units 1 and 2 Diablo Canyon on-site stations.

Section 2

SAMPLING METHODS

This section summarizes briefly the various sampling methods.

AIRBORNE RADIOACTIVITY

Air particulate and radioiodine sampling were performed weekly at six indicator stations: MT1, 0S2, 1S1, 7D1, 8S1 and 8S2, and at one control station 5F1.

Constant flow air samplers were used to draw air through paper filters to collect air particulates, and through triethylenediamine (TEDA) impregnated charcoal cartridges to collect radioiodine. The air samplers were set at a flow rate of 1.5 cubic foot per minute and were located one meter above the ground. Sample volumes were determined using gas meters which were installed downstream of the sample head.

At the end of the sampling period, the filter and cartridge were collected. All necessary data regarding the air volume readings on and off, run time, sampler time on and off, date of collection, and sampler location were recorded and submitted, along with the samples, to TES for analysis.

DIRECT RADIATION

Direct radiation was measured at 31 stations in the vicinity of DCPP using Panasonic UD814 TLD badges. These badges were replaced on a quarterly basis.

The field TLD badge packets were prepared by DCPP personnel. Control badges were carried with the field badges to measure any dose received during transit. The location, date, and time of exchange were recorded on the log sheet which accompanied the field badges.

WATER SAMPLES

Water samples (drinking water and surface water) were collected monthly. Two 1-gallon plastic bottles of each water sample type were collected at their respective locations each month.

Surface water samples were collected at Diablo Cove (station DCM), Rattlesnake Canyon (station 7C2), and at the plant outfall. Drinking water samples were collected from Diablo Creek Weir (station 5S2) located on-site and from the drinking water system at DCPP. After collection, the samples were securely sealed and labeled with sample type, location, date, time of collection, and the person performing the collection and sent to TES for analysis.

MARINE BIOLOGICAL AND SEDIMENT SAMPLES

The REMP requires only one sample of rockfish (Sebastes sp.), one sample of perch (family Embiotocidae), and one sample of mussels (mytilus) from indicator station DCM and control station 7C2. All other marine samples collected are considered supplemental. These supplemental marine samples included, but were not limited to, the following: intertidal algae, kelp, and market fish. The intertidal samples (algae and mussels) were collected quarterly during low tidal conditions. Kelp was collected quarterly from the offshore kelp bed in the vicinity of the plant. Quarterly samples of fish and an annual sample of ocean bottom sediment were collected from the plant environs by divers. Fish caught locally and purchased from the fish market were also analyzed. All samples were subject to unavailability due to seasonal fluctuations or unfavorable sampling conditions.

The samples were sealed in plastic bags immediately upon collection and labeled with sample type, location, date, time of collection, and individual performing the collection before they were sent to TES.

FOOD CROPS

The REMP requires broadleaf vegetation to be collected in the nearest off-site locations of the highest calculated annual average ground level D/Q (dispersion parameter). There is no broadleaf vegetation available that satisfies this requirement. However, representative samples of food crops in season were collected monthly from supplemental stations: Cal Poly Farm (station 5F2), Kawaoka Farm in Arroyo Grande (station 7G1), Mello Farm (station 7C1) along the site access road, and quarterly at a household garden (station 6C1). The samples were collected, sealed immediately in plastic bags, labeled with sample type, sample location, collection date, time of collection, and the individual performing the collection, and sent to TES for analysis.

MILK

There are no milking animals in the vicinity of the plant. However, supplemental samples of milk were collected monthly from Cal Poly Farm (station 5F2). Two 1-gallon plastic bottles of milk were collected each sampling period. Forty grams of sodium bisulfite preservative were added to each gallon of milk sample. The bottles were sealed and shaken thoroughly to distribute the preservative. They were labeled with sample type, sample location, date and time of collection, and the individual performing the collection, and sent to TES for analysis.

Section 3

SAMPLE ANALYSES

Samples received at TES were analyzed for radioactivity by standard methods as outlined in TES Work Instructions. The results of the analyses were reported at the 95 percent confidence level. All analyses were performed such that the lower limits of detection (LLDs), listed on Table 3, were achieved under routine conditions. The LLD is an a priori (before the fact) estimate of the activity concentration that can be practically achievable with a given measuring instrument, procedure, and type of sample. This value is not intended to be used as an a posteriori (after the fact) criterion for the presence of activity. Background fluctuation, unavoidably small sample size, the presence of interfering nuclides or other uncontrollable circumstances may occasionally render these LLDs unachievable. In such cases, the contributing factors are identified and described in this report. A brief description of the analyses of the different sample types and the general method of counting is discussed below. See Table 1 for the summary of the type of analyses that were done on the different sample media.

AIRBORNE RADIOACTIVITY

The filter papers collected from the field were placed on individual planchets and counted for gross beta activity in a low-background, thin-window gas proportional counter. They were analyzed at least twenty-four hours after sampling to allow for radon and thoron daughter decay. Gamma isotopic analysis was then performed on quarterly composites of the filters to determine the activity concentration of gamma emitting isotopes.

Gamma isotopic analyses were also performed on the TEDA impregnated charcoal cartridges to determine the radioiodine concentration. The cartridges and filter papers were counted for a time period such that the LLDs were met.

DIRECT RADIATION

Panasonic (UD814) TLD badges were used to measure the ambient radiation level. The TLD badges were annealed and packaged to be sent out in the field by plant dosimetry personnel. After field exposure, the TLD badges were processed on-site. The badges were calibrated using an NIST-traceable cesium-137 source.

Table 3

Maximum Values for Lower Limits of Detection (LLD)[a]

Analysis	Water (pCi/L)	Airborne Particulate or Gas (pCi/m^3)	Fish (pCi/kg, wet)	Milk (pCi/L)	Food Products (pCi/kg, wet)	Sediment (pCi/kg, dry)
Gross beta	4	$1x10^{-2}$				
H-3	2000					
Mn-54	15		130			
Fe-59	30		260			
Co-58, 60	15		130			
Zn-65	30		260			
Zr-Nb-95	15					
I-131	1[b]	$7x10^{-2}$		1	60	
Cs-134	15	$5x10^{-2}$	130	15	60	150
Cs-137	18	$6x10^{-2}$	150	18	80	180
Ba-La-140	15			15		

Table Notation:

(a) The LLD is the smallest concentration of radioactive material in a sample that will be detected with 95 percent probability with 5 percent probability of falsely concluding that a blank observation represents a "real" signal.

For a particular measurement system (which may include radiochemical separation):

$$LLD = \frac{4.66\ s_b}{E \times V \times 2.22 \times Y \times \exp(-\lambda t)}$$

where

LLD is the lower limit of detection as defined (as pCi per unit mass or volume)

s_b is the standard deviation of the background counting rate or of the counting rate of a blank sample as appropriate (as counts per minute)

E is the counting efficiency (as counts per disintegration)

V is the sample size (in units of mass or volume)

2.22 is the number of disintegrations per minute per picocurie

Y is the fractional radiochemical yield (when applicable)

λ is the radioactive decay constant for the particular radionuclide

t is the elapsed time between sample collection (or end of the sample collection period) and time of counting

The value of s_b used in the calculation of the LLD for a detection system shall be based on the actual observed variance of the background counting rate or of the counting rate of the blank samples (as appropriate) rather than on an unverified theoretically predicted variance. In calculating the LLD for a radionuclide determined by gamma ray spectrometry, the background shall include the typical contributions of other radionuclides normally present in the samples (e.g., potassium-40 in milk samples).

(b) LLD for drinking water.

WATER SAMPLES

Gamma isotopic analyses were performed on all water sample types. To determine the activity concentration of gamma emitters, a known volume of the water sample was analyzed using a gamma spectrometer.

Tritium analyses were performed on drinking water and surface water. The water samples were distilled and analyzed for tritium using a liquid scintillation spectrometer. Iodine-131 analysis was also performed on each drinking water sample.

MARINE BIOLOGICAL AND SEDIMENT SAMPLES

Only the edible portion of the fish and mussels were analyzed for gamma emitters. A weighed amount of the prepared sample was analyzed using a gamma spectrometer.

The kelp blades and the pneumatocyst were prepared separately for analysis. The weighed samples were then counted on the gamma spectrometer to determine the activity concentration of gamma emitters. The results reported were based on wet weight for the marine samples.

The sediment samples were first oven-dried before performing gamma isotopic analysis. The results reported for the sediment samples were based on dry weight.

FOOD CROPS

The samples were placed in appropriate counting containers and analyzed to determine the gamma isotopic content. The results obtained were based on wet weight.

MILK

A known volume of the milk sample was first analyzed on a gamma spectrometer to determine its gamma isotopic content. Stable iodine carrier was then added to the milk sample for determination of chemical recovery of subsequent separation. The total iodine was separated from the sample by passing the sample through an anion resin column. The iodine was chemically extracted from the resin, precipitated as cuprous iodide and counted on the gamma spectrometer.

Section 4

QUALITY CONTROL

Routine quality control was performed throughout the year to ensure the accuracy of equipment and procedures used in determining the results. The TES radiological laboratory also participates in an external lab performance evaluation program and in the California State Cross-Check Program.

The Nuclear Regulatory Commission (NRC) Branch Technical Position on Radiological Environmental Monitoring Programs and the DCPP Interdepartmental Administrative Procedure, RP1.ID11, Environmental Radiological Monitoring Procedure, requires that the TES laboratory participate in the Environmental Protection Agency's Environmental Radioactivity Laboratory Intercomparison Study or equivalent program. At the end of 1998, the EPA ceased to operate their Intercomparison Study. For the years of 1999, 2000, and 2001, TES has participated in an equivalent program operated by Analytics, Inc. of Atlanta, GA. The TES participation has included all determinations (sample medium-radionuclide combination) offered by Analytics which match those as part of the REMP.

The results of TES participation in Analytics Environmental Cross Check Program for this year are shown in Appendix A, Table A-10. Participation included analysis of:

- gross alpha and gross beta emitters in water
- gross alpha and gross beta emitters on particulate filter
- iodine-131 and gamma emitters in milk
- tritium in water
- iodine-131 in charcoal cartridge
- gamma emitters in soil
- gamma emitters in vegetation
- gamma emitters in water

TES results of these blind samples were generally acceptable using the NRC criteria for determining agreement of confirmatory radiochemical measurements (See Table A-10). The results from two of the blind samples were unacceptable: gamma emitters in soil and iodine-131 in charcoal cartridge. Both of these unacceptable results were due to a faulty efficiency calibration of a TES gamma spectrum analysis system in the March 2001. The efficiency calibration was corrected in August 2001 and marine and terrestrial samples counted with the faulty calibration were reanalyzed using the revised calibration

factors. The faulty efficiency calibration did not affect the ability of the gamma spectrum analysis system to identify radionuclides in the gamma spectrum. Consequently the iodine cartridges analyzed during this period of faulty efficiency calibration did not require reanalysis. Since no iodine-131 was detected, an efficiency correction would not have resulted in revised results.

The 1998 state cross-check report, "California Nuclear Power Plant Environmental Surveillance Report," showed that there were no discrepancies between the results obtained by the state of California Sanitation and Radiation (SRL) and TES. The table of TES results for the 2001 cross-check program can be found in Appendix B, Table B-1. The DHS has yet to issue a report for 1999 or 2000. Since TES has been informed that these reports have a low priority with DHS, TES requested and obtained the results from the SRL of their comparable analyses of duplicate and split samples from the DCPP environs. TES review of this data versus that of the TES laboratory for the year 2000 (the last full year of available data) showed that there continues to be good agreement between the two laboratories. TES intends to continue to perform our own comparison of the two laboratories data until the DHS resumes producing a cross-check report.

Section 5

LAND USE CENSUS

DCPP radiation protection personnel conducted a land use census in the vicinity of DCPP for 2001. The land use census is based on NRC, Regulatory Guide 4.8, "Environmental Technical Specifications for Nuclear Power Plants", and required by DCPP Program Directive CY2, "Radiological Monitoring and Controls Program." The census is conducted at least once per year during the growing season for the Diablo Canyon environs.

The land use census identifies the nearest milk animal and broadleaf producing garden greater than 50 square meters (500 square feet) in each of the landward meteorological sectors within a distance of 8 kilometers (5 miles) of the plant. DCPP IDAP RP1.ID11, "Environmental Radiological Monitoring Procedure," requires that the nearest residence be identified in each of the landward sectors within a distance of 5 miles.

The land use census was performed by directly contacting individual landowners / tenants and by aerial surveys. The landowners or tenants were contacted between November 15th and December 20th, 2001. The aerial survey was performed on October 10th, 2001.

The census identified one household garden greater than 50 square meters (500 square feet) that produces broadleaf vegetation in the East sector at 4.5 miles from DCPP Unit 1. No milk animals were identified within the first 5 miles of any sector. Much of the area surrounding the plant site is used for rotational cattle grazing by two separate cattle companies. Various numbers of cattle are sold to market at the end of each year. One cattle operation utilizes the land north of the plant site. A second cattle operation utilizes the land south of the plant site. The rancher for the northern cattle operation slaughters about 2 cattle per year for personal consumption. Goats were used for weed abatement for approximately 6 months within the area surrounding the plant site. The rancher from the northern operation also slaughters about 2 goats per year for personal consumption. A farm is located on the coastal plateau in the east-southeast (ESE) sector, along the site access road. The farm starts at approximately 3.3 miles and extends to 4.5 miles from the plant. This commercial farm produces 75% legumes (sugar peas) and 25% cereal grass (oat hay).

A total of 13 residences were identified within the 5-mile radius of the plant that were confirmed or appear to be occupied during 2001. Two new abandoned structures were identified at 1.6 miles north-northwest (NNW) of the plant. The nearest residence, relative to all sectors, is a small trailer 1.2 miles

northwest (NW) of the plant (occupied approximately 1 month per year). Ranchers use this trailer during cattle round-ups. Table B-5 summarizes the results of the land use census and Figure 3 shows the locations of the farm, garden, and residences in the vicinity of DCPP.

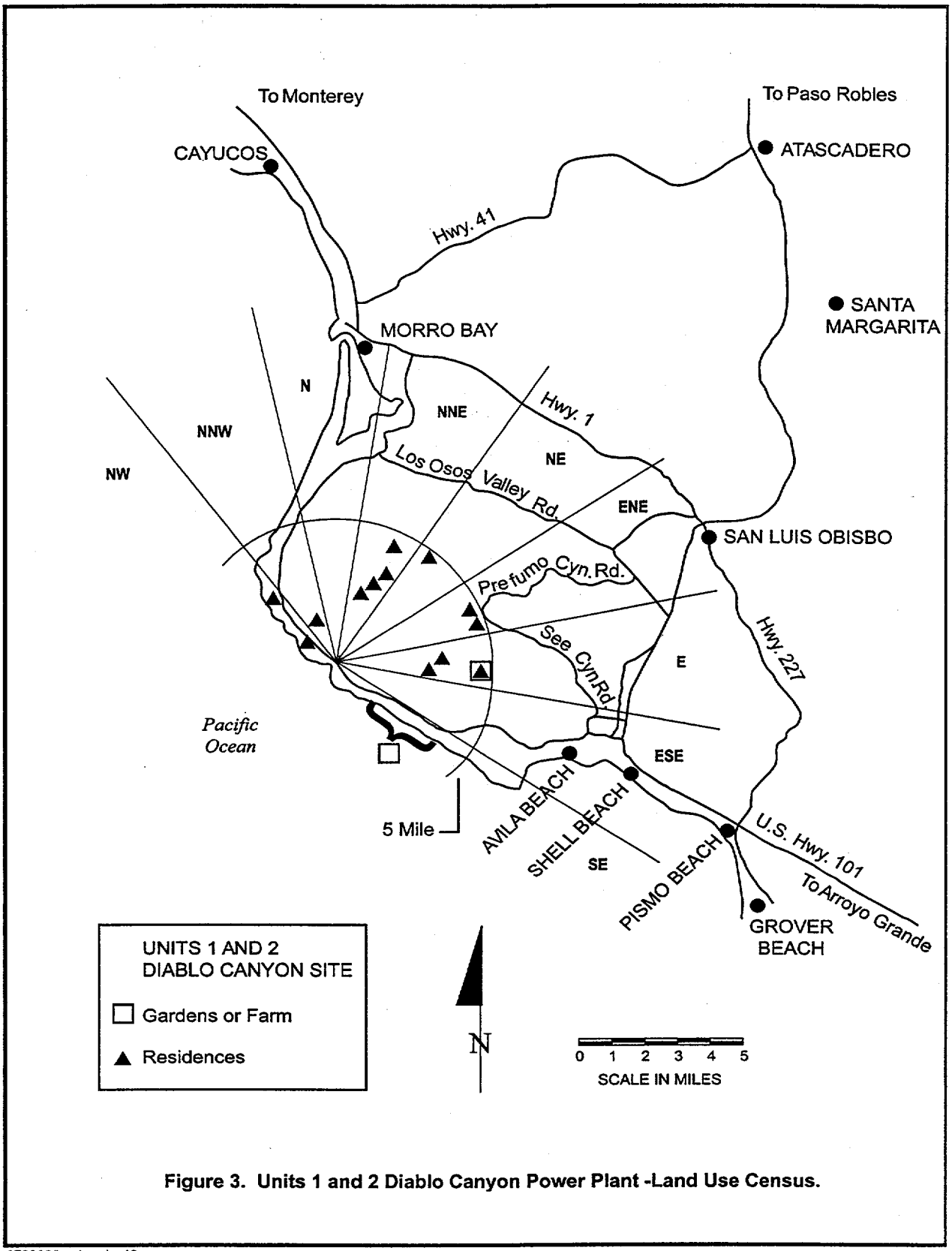

Figure 3. Units 1 and 2 Diablo Canyon Power Plant -Land Use Census.

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Section 6

RESULTS AND DISCUSSION

The results for the DCPP REMP are listed in Appendices A and B. The ± terms listed in the tables in the appendices are the uncertainties within the 95 percent confidence level. The tables in Appendix A present summaries of the results, formatted in accordance with current NRC guidelines (NRC Branch Technical Position, Revision 1, November 1979). Appendix A also includes the results of the performance evaluation studies. The tables in Appendix B contain analytical results of the individual samples which were supplied to the state laboratory. The LLD for the nuclides of interest listed in Table 3 were met for all analyses performed except for those samples listed in Table B-6. The LLDs were unachievable in these cases due to small sample size in case of the mixed greens sample and one iodine cartridge. The LLDs were not achieved on the other iodine cartridges due to inadvertently short counting times. The LLD for radioiodine was not achieved on one milk sample due to small recovery of iodine during the separation procedure. The analytical results for the different sample types are discussed below. This discussion includes results from supplemental samples collected and analyzed. The reporting levels for radioactivity concentrations in environmental samples are listed in Table 4, page 6-8.

AIRBORNE RADIOACTIVITY

Air particulates and radioiodine samples were collected weekly from six indicator stations (MT1, ØS2, 1S1, 7D1, 8S1, and 8S2) in the DCPP environs and one control station (5F1). A total of 362 air particulate filters and 362 iodine cartridges were collected and analyzed. No air particulates or iodine cartridges were collected for Station 5F1 between July 11 and July 25, 2001. Two sampling periods were missed for this station. During this period, a disconnected hose in the sampling pump prevented air flow through the filter or cartridge. The data collected for the air-sampling program is summarized in Appendix A, Table A-1.

Air Particulates

Gross beta activity was detected in every weekly air particulate sample collected from all indicator and control stations. The range for the indicator stations was 0.002 - 0.035 pCi/m^3 with a mean of 0.011 pCi/m^3. The range for the control station was 0.003 - 0.032 pCi/m^3 with a mean of 0.011 pCi/m^3. Comparison of the data showed that the mean values of gross beta activities for the indicator stations were consistent with those obtained for the control station. The gross beta activities detected at the air sampling stations are tabulated in Appendix B, Table B-3 and shown in Figure 4.

Gamma isotopic analyses were performed on quarterly composites of the air particulate filters from each station. All samples collected during the year contained only naturally occurring radioactivity.

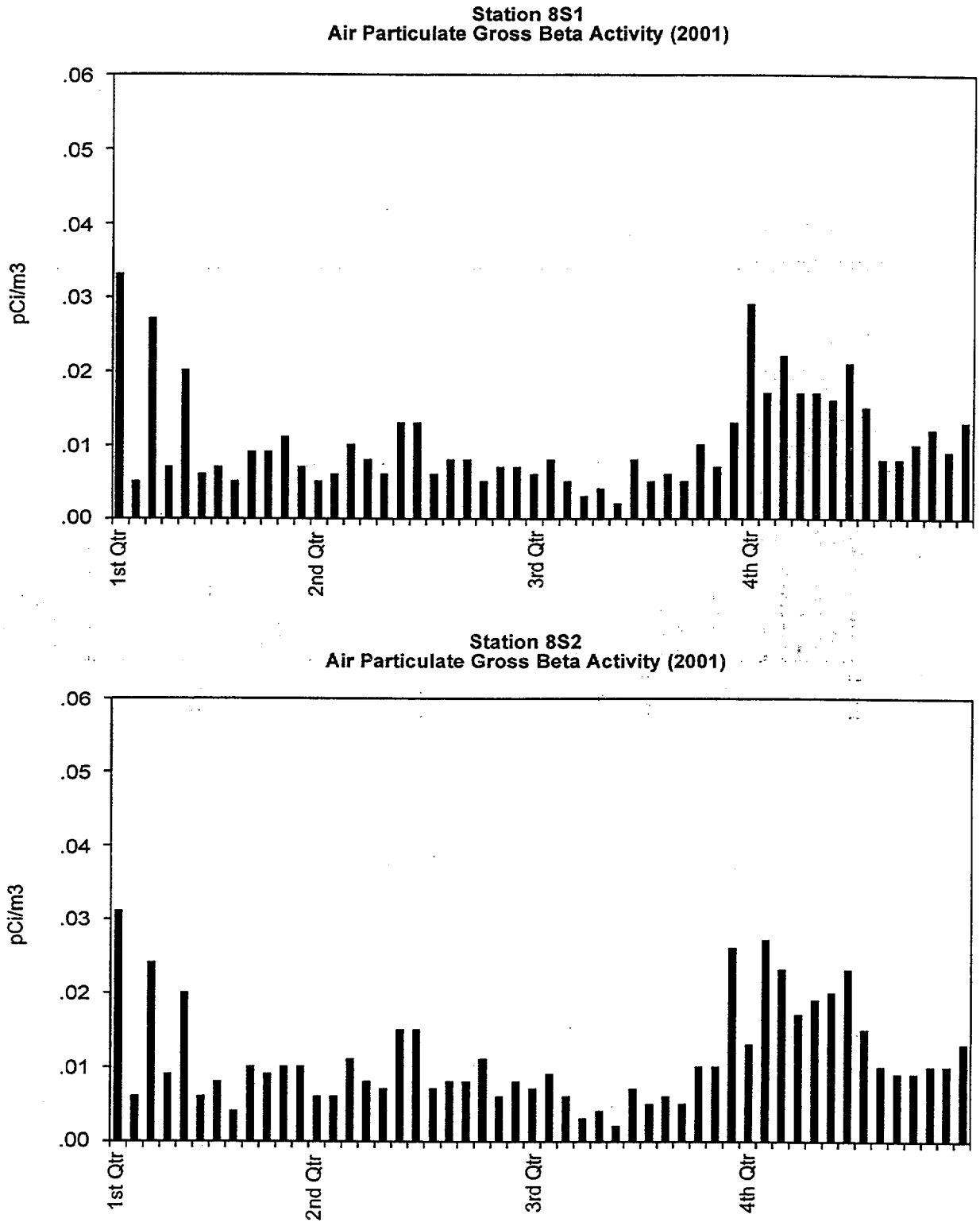

Figure 4. continued.

990308/01-8S1 and 8S2

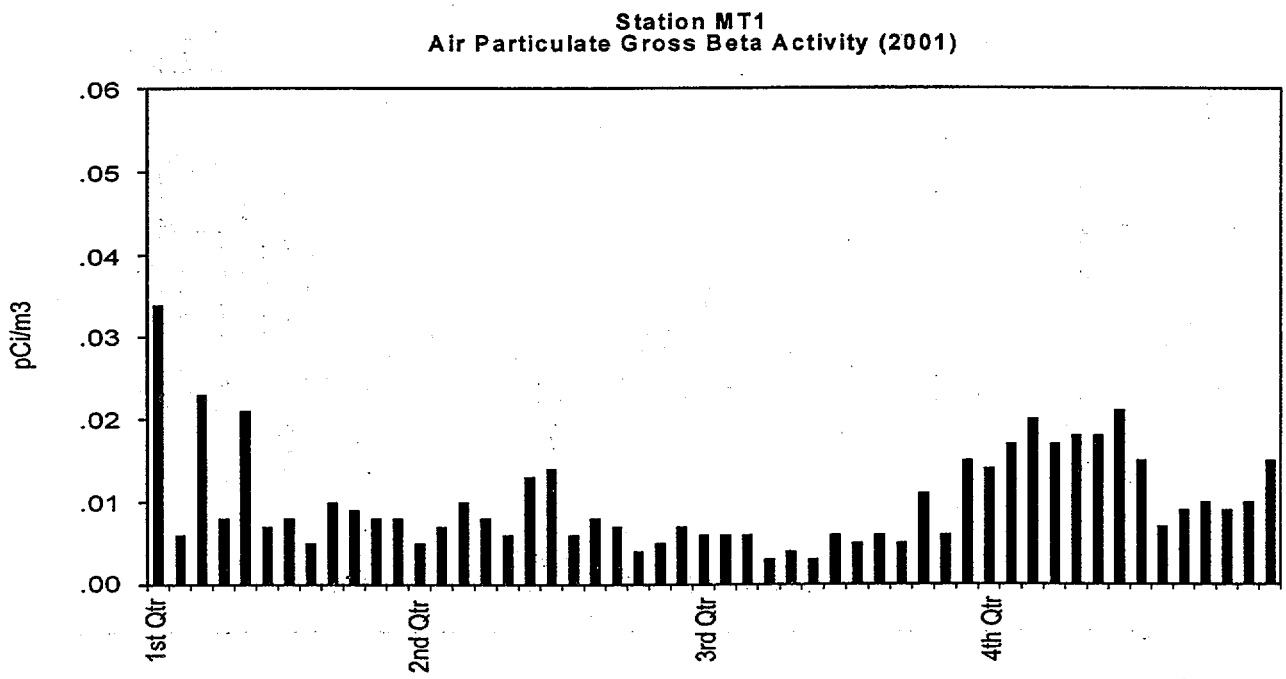

Figure 4. continued.

Radioiodine

A total of 362 iodine cartridges were analyzed for iodine-131. No iodine-131 was detected in any iodine cartridge during the year.

DIRECT RADIATION

TLD badges from 31 stations were collected on a quarterly basis and processed. A total of 372 TLD badges were distributed to field locations (three TLD badges at each location) and processed. The quarterly average exposure level from all indicator stations ranged from 9.4 – 21.7 mR/qtr with a mean of 15.5 mR/qtr. The exposure level at the control station 5F1 ranged from 15.8 – 19.3 mR/qtr with a mean of 17.2 mR/qtr. The exposure levels for 2001 did not differ significantly from the previous year, or from the pre-operational data. They indicate that the operation of DCPP did not significantly affect the ambient radiation exposure levels in the plant environs. See Appendix A, Table A-2, for the TLD data summary and Appendix B, Table B-4, for the individual station data.

WATER SAMPLES

A total of 60 water samples (24 drinking water samples, 36 surface water samples) were collected and analyzed. The results of the water samples collected from the indicator and control stations are summarized in Appendix A, Tables A-3 (a) and (b).

Gamma isotopic and tritium analyses were performed on all water samples. Tritium was detected in three surface water samples from DCM and in one sample from the DCPP outfall, OUT. The tritium activity levels detected in these four samples were below the reporting levels. These samples were collected during routine releases from the plant and do not represent the average tritium levels in Diablo Cove.

Iodine-131 analysis was also performed on drinking water. Iodine-131 was not detected in any drinking water samples. The water sample data indicates that the operation of DCPP did not have any detectable impact on the plant environs.

MARINE BIOLOGICAL AND SEDIMENT SAMPLES

A total of 77 marine biological and sediment samples were collected from the indicator, control and supplemental stations. They included 36 fish samples, 15 mussel samples, 24 algae samples, and 2 ocean bottom sediment samples. Table B-7 lists the marine samples collected for 2001. The results obtained from the indicator stations and control station are summarized in Appendix A, Tables A-4 to A-7. The individual samples and their detected nuclides are listed in Appendix B, Table B-2.

Abalone

Red abalone were not collected in 2001. It is unlikely that abalone will be collected at DCPP in the future as the California Marine, Sport Fishing Regulations were amended on December 8, 2000 to state that no abalone can be taken south of San Francisco Bay.

California Mussels

A total of 15 mussel samples were collected from stations DCM, 7C2, PON and POS. All samples contained only naturally occurring radioactivity.

Fish

A total of 36 fish samples from stations DCM, 7C2, PON, POS and 7D3 were analyzed. All samples contained only naturally occurring radioactivity. The operation of DCPP had no detectable impact on fish in the plant environs.

Algae

A total of 24 algae samples were collected from stations DCM, 7C2, PON, and POS. These samples are supplemental to the REMP. One sample collected from DCM contained a small, but detectable level of cobalt – 58. All other samples contained only naturally occurring radioactivity.

Sediment

An annual sample of ocean bottom sediment was collected from stations DCM and 7C2. Only naturally occurring radioactivity was detected in these samples. The data indicated no increasing trend in isotope concentration. The operation of DCPP had no detectable impact in ocean sediment in the plant environs.

FOOD CROPS

A total of 31 vegetative samples were collected from four supplemental stations: Cal Poly Farm (station 5F2), Kawaoka Farm (station 7G1), Mello Farm (station 7C1), and a household garden (station 6C1). All of the samples analyzed contained only naturally occurring radioactivity. The operation of DCPP had no detectable impact on food crops in the plant environs.

MILK

A total of 12 monthly milk samples were collected from Cal Poly Farm, station 5F2. Iodine-131 was not detected in any of the samples. The samples contained only natural radioactivity. The operation of the plant had no detectable impact on this environmental medium.

Table 4

Reporting Levels for Radioactivity Concentrations in Environmental Samples

Analysis	Water (pCi/L)	Airborne Particulate or Gas (pCi/m^3)	Fish (pCi/kg, wet)	Milk (pCi/L)	Food Products (pCi/kg, wet)
H-3	20,000[a]				
Mn-54	1,000		30,000		
Fe-59	400		10,000		
Co-58	1,000		30,000		
Co-60	300		10,000		
Zn-65	300		20,000		
Zr-Nb-95	400				
I-131	2[b]	0.9		3	100
Cs-134	30	10	1,000	60	1,000
Cs-137	50	20	2,000	70	2,000
Ba-La-140	200			300	

Table Notation:

(a) For drinking water samples. This is the 40 CFR Part 141 value. If no drinking water pathway exists, a value of 30,000 pCi/L may be used.

(b) If no drinking water pathway exists, a value of 20 pCi/L may be used.

Section 7

COMPARISON OF PREOPERATIONAL AND OPERATIONAL DATA

Routine (annual) comparisons are performed on data collected for the radiological environmental monitoring program with the data collected during the preoperational period. DCPP began commercial operation in 1985. The preoperational data from the period from 1981 to 1984 are used as the preoperational baseline.

The data is analyzed using the combined Shewart-CUSUM control chart technique in which log-transformed radioactivity concentration or radiation exposure levels are compared over time. This technique assumes that the data distribution is log-normally distributed, and the log-transformed data is used in the control charts. First the data are standardized by subtracting the overall mean radioactivity level for the station from the current observation and then dividing by the overall standard deviation for that station. The control charts are used to test whether fluctuations in the standardized data are random or from a change in the concentration of a particular parameter. For air particulate gross beta activity and TLD measurements, the standardized difference between the indicator and control stations is trended on these charts.

Plant related radioactivity was detected in two sample media during 2001. Tritium was detected in seawater samples: collected from DCM (3 events) and collected from OUT (1 event). Co-58 was measured in an algae sample collected from DCM. The Shewart-CUSUM control charts for tritium in seawater, Co-58 in Algae, air particulate gross beta activity, and TLD measurements are shown and discussed below. All other CUSUM charts showed basically flat data since the last time that the radioactivity type and sampled media contained a detectible result. Detectible results noted in the past are described in the past annual report(s) in which the detectible result was initially noted.

AIRBORNE RADIOACTIVITY

Air Particulates

The Shewart-CUSUM control chart for gross beta activities in air particulates (see Figure 5) showed that there is no increasing trend during the operational years (1985-2001), and that the range during the operational period remained within the preoperational range (1981-1984). The high gross beta activity in 1981 was attributed to fallout from Chinese atmospheric nuclear weapons testing.

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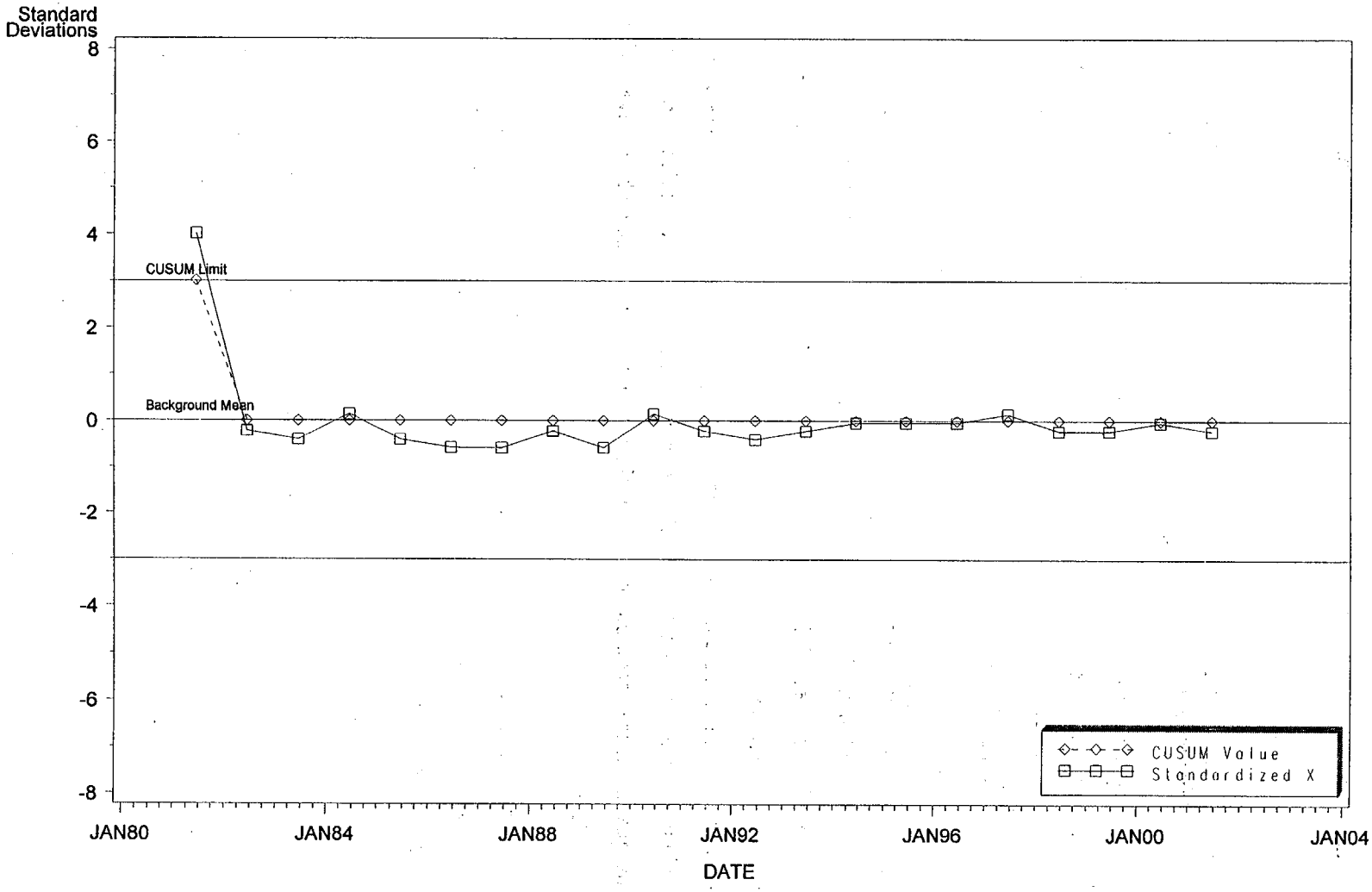
Figure 5. Control Chart for Air Particulate Filters - Difference Between Indicator and Control Station Annual Means



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In 2001, only naturally occurring radioactivity was detected. The mean concentration of gross beta activity of the indicator stations was comparable to those of the control station. It can be concluded that the plant operations had no detectible impact on the air particulate medium.

DIRECT RADIATION

The control chart for direct radiation measured by TLDs (see Figure 6) showed that there has been no increasing trend during the operational years. The current control chart shows the effect of changing the control station from Morro Bay Power Plant to 5F1 in San Luis Obispo in 1996. The control station was changed at that time because the Morro Bay Power Plant ceased to be a PG&E property.

WATER SAMPLES

Surface Water (Seawater)

During the preoperational period, only naturally occurring radioactivity was detected in seawater samples. Several times during the operational period, tritium has been measured at station DCM. During 2001, tritium was detected three times in water samples collected from DCM. The current control chart for tritium in seawater from DCM is shown as Figure 7. Each event of detectible tritium activity during 2001 was below reportable levels. In each sampling event in which tritium was detected in the seawater sample from DCM, the sample was collected concurrent with a liquid release from the power plant. Consequently, these detectible levels of tritium do not represent the ambient levels of tritium within Diablo Cove.

A Shewart-CUSUM control chart was not prepared for OUT since the plant outfall is not considered an environmental sample. The radioactivity levels in the plant outfall would always be transient depending on plant release status.

ALGAE SAMPLES

Algae sampling is not a REMP requirement and is therefore considered a supplemental sample. There is no reporting requirement for radioactivity levels in algae. Two species of algae are normally collected from DCM quarterly when available. Several times during the operational period small concentrations of various plant related radioactivity have been detected in the algae. These radioactivity concentrations detected have been random in the past so one can conclude that there is no increasing trend in radioactivity concentrations in algae from Diablo Cove. Co-58 was measured in one Iridea sample from DCM during 2001. The control chart for Co-58 in Algae is shown as Figure 8.

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Figure 6. Control Chart for TLD Data - Difference Between Indicator and Control Station Annual Means

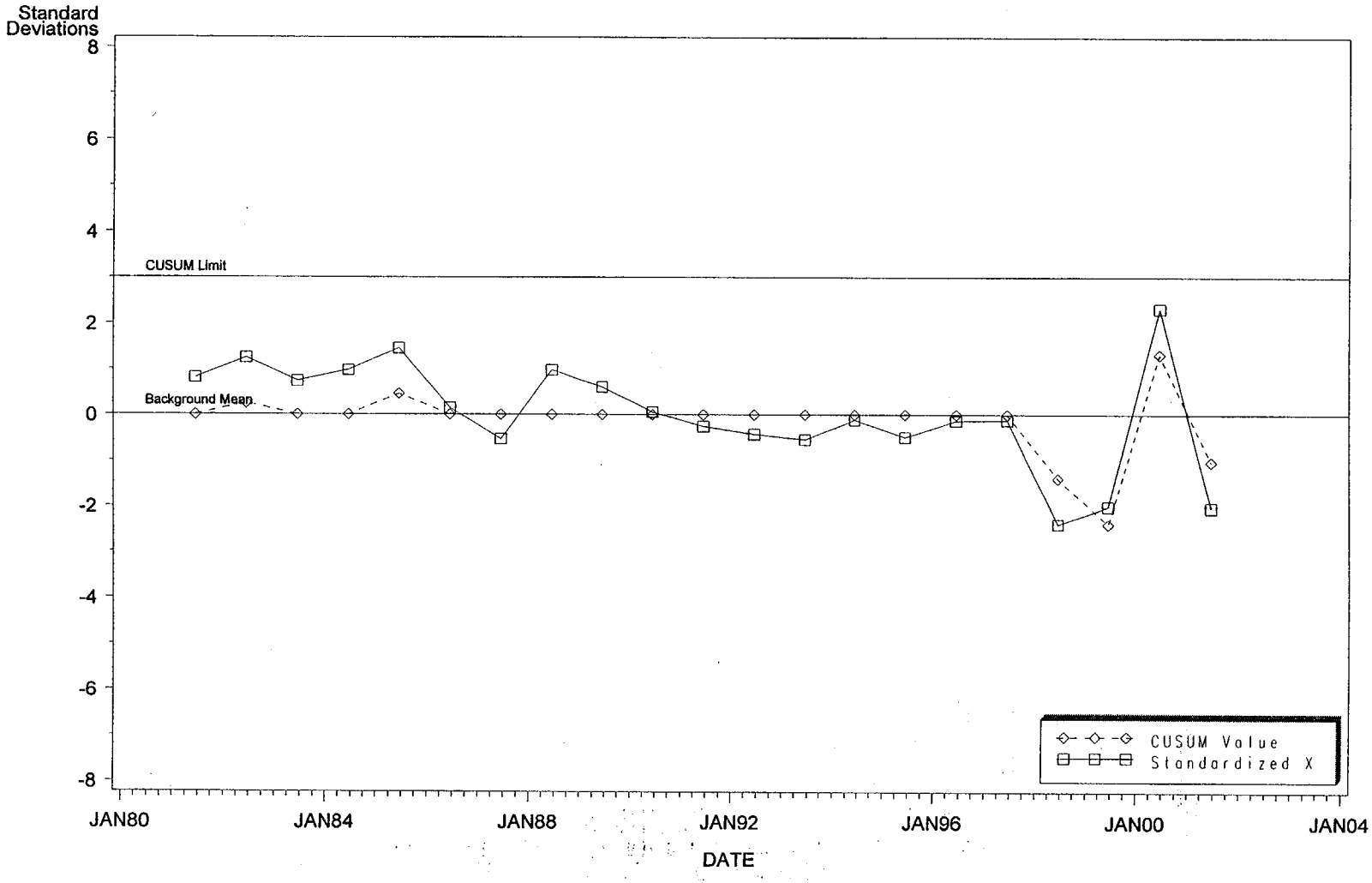

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Figure 7. Control Chart for Tritium Levels in Seawater - Station DCM

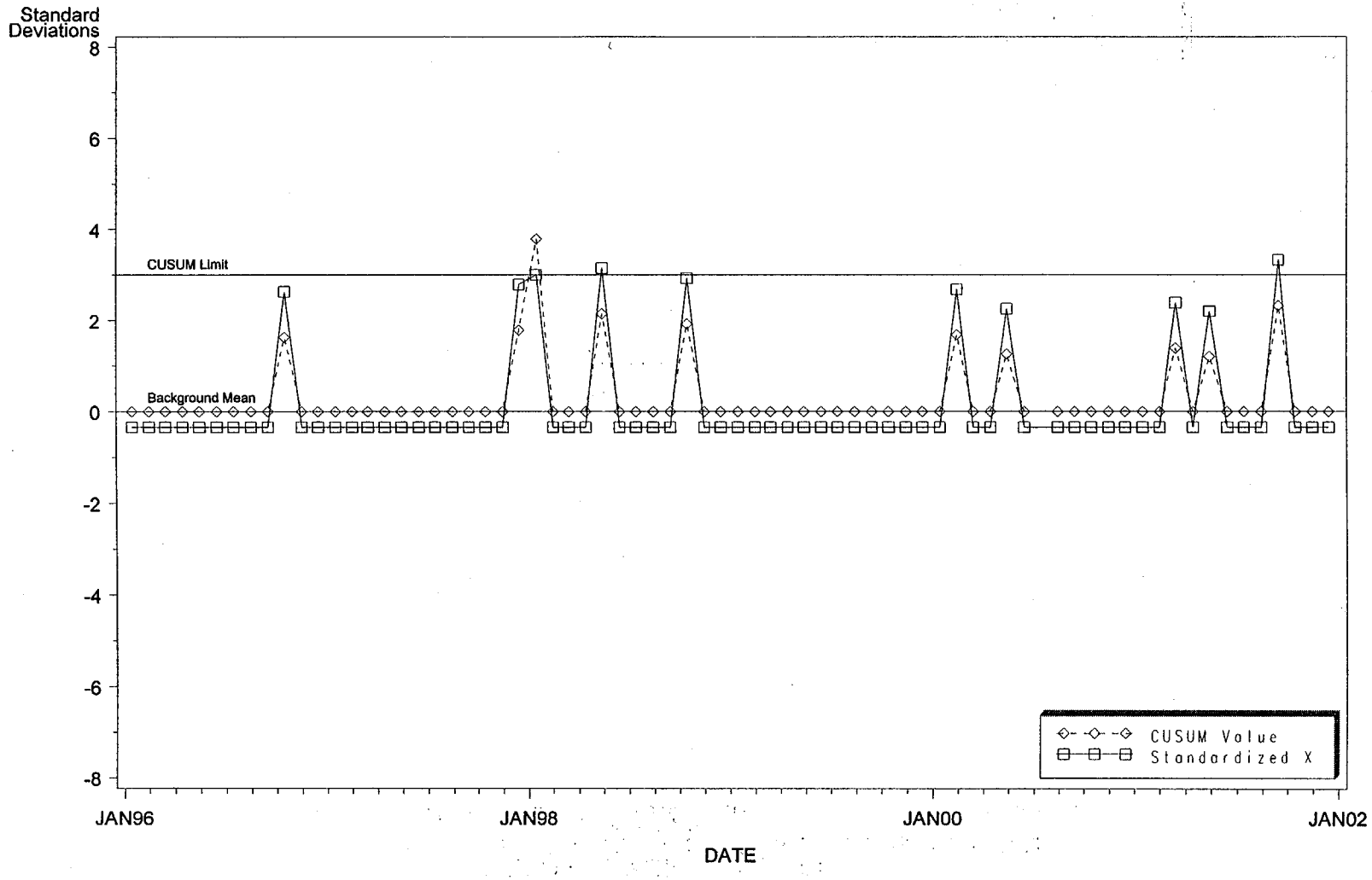

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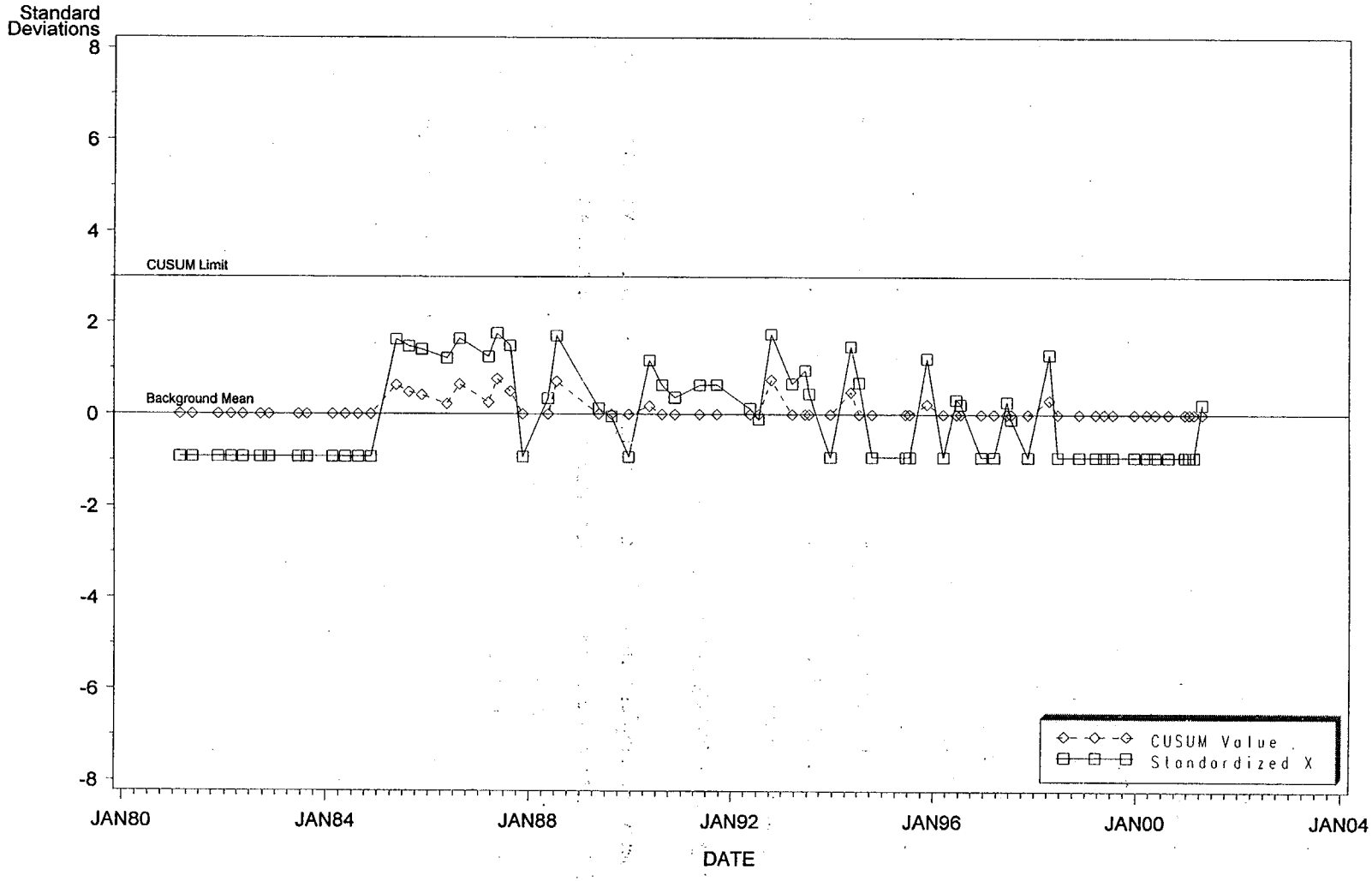
Figure 8. Control Chart for Co-58 Levels in Algae- Station DCM



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Section 8

PROGRAM VARIANCE

The DCPP REMP includes both required and supplemental samples. This section describes the variances with the required samples.

AIRBORNE RADIOACTIVITY

The mean percent availability for all on-site and off-site samplers was 98.7 percent. That is, on average, all samplers were up and running 98.7 percent of the time. At station 8S2, the sampler malfunctioned during the sampling period 6/6/2001 – 6/13/2001. Approximately five (5) days of sampling was lost. Several on-site air samplers (1S1, 8S1, 8S2, and OS2) were disconnected from electrical power during intermittent power outages on-site during the week of 8/1/2001 – 8/8/2001. Approximately two (2) days of sampling was loss from each sampler during this week. At station 5F1, the sampler malfunctioned during the periods 7/11/2001 – 7/25/2001. Approximately 14 days of sampling were lost. During the week of 10/24/2001 – 10/31/2001, the sampler at station 8S2 malfunctioned. Approximately four (4) days of sampling was lost in this event.

MARINE AND TERRESTRIAL SAMPLES

Two seawater samples were lost in transit during 2000. Although it was noted in Table A-3a of the 2000 AREOR that there were no analyses for these samples, this variance was not noted in Section 8 of last years report. The seawater samples were collected from DCM and 7C2 for the month of August 2000, packed in a cooler and shipped to TES. However, the samples were never delivered to TES.

Kelp collected from DCM and vegetation sample collected from 7G1 in the fourth quarter 2001 were not forwarded to the SRL for split sampling after analyses were completed at TES. These samples are part of the State cross check program. This will again be noted in next years report when the results for the year 2001 data from cross check with the SRL is discussed.

As mentioned earlier, the California Department of Fish and Game has issued regulations prohibiting the collection of abalone along the central and southern coast of California. PG&E considers it unlikely that collection of abalone will be allowed in the DCPP environs in the near future. Note that the sampling of abalone is supplemental to the REMP.

Section 9

REFERENCES

1. DCPP Interdepartmental Administrative Procedure (IDAP), RP1.ID11, "Environmental Radiological Monitoring Procedure."

2. NRC Branch Technical Position, Revision 1, November 1979.

3. DCPP Program Directive, CY2, "Radiological Monitoring and Controls Program."

Appendix A

ENVIRONMENTAL RADIATION MONITORING PROGRAM SUMMARIES

Table A-1

Environmental Radiological Monitoring Program Summary

Name of Facility	Diablo Canyon Power Plant	Docket No.	50-275 and 50-323
Location of Facility	San Luis Obispo, California (County, State)	Report Period	1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Indicator with Highest Annual Mean		All Indicator Locations	All Control Locations	Number of Reportable Occurrences
			Name, Distance and Direction	Mean[b] Range[b]	Mean[b] Range[b]	Mean[b] Range[b]	
Airborne (pCi/m^3)	**Cartridge**						
	^{131}I (362)	(4/362) 1.2E-1			None detected	None detected	0
	Air Particulates						
	Gross Beta (362)		Sta. 8S2 1.1 mi., 128°	1.1E-2 2.0E-3–3.1E-2	1.1E-2(312/312) 2.0E-3–3.5E-2	1.1E-2(50/52) 3.0E-3–3.2E-2	0
	Gamma Isotopic (362)				None detected	None detected	0

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.

(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.

ND Radionuclides of interest other than naturally occurring were not detected.

Table A-2

Environmental Radiological Monitoring Program Summary

Name of Facility	Diablo Canyon Power Plant	Docket No.	50-275 and 50-323
Location of Facility	San Luis Obispo, California (County, State)	Report Period	1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Indicator with Highest Annual Mean		All Indicator Locations	All Control Locations	Number of Reportable Occurrences
			Name, Distance and Direction	Mean[b] Range[b]	Mean[b] Range[b]	Mean[b] Range[b]	
Direct radiation (mR)	TLD Packet[c] (372)	3 mR/qtr	Sta. 5S1 0.4 mi, 58°	21.7 mR/qtr (12/12) 20.4–22.5 mR/qtr	15.5 mR/qtr (360/360) 9.4–21.7 mR/qtr	Sta. 5F1 17.2 mR/qtr (12/12) 15.8–19.3 mR/qtr	0
				86.9 mR/yr	61.9 mR/yr (360/360) 37.4–86.9 mR/yr	68.7 mR/yr	

Table Notation:

(a) Sensitivity of TLD system.
(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.
(c) 96 TLD packets are distributed quarterly at 32 locations.

Table A-3a

Environmental Radiological Monitoring Program Summary

Name of Facility	Diablo Canyon Power Plant	Docket No.	50-275 and 50-323
Location of Facility	San Luis Obispo, California (County, State)	Report Period	1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Indicator with Highest Annual Mean		All Indicator Locations	All Control Locations	Number of Reportable Occurrences
			Name, Distance and Direction	Mean[b] Range[b]	Mean[b] Range[b]	Mean[b] Range[b]	
Surface water (pCi/L)	Gamma Isotopic (34)				Sta. DCM Sta. OUT	Sta. 7C2	0
	^{54}Mn				None detected	None detected	
	^{59}Fe				None detected	None detected	
	^{58}Co				None detected	None detected	
	^{60}Co				None detected	None detected	
	^{65}Zn				None detected	None detected	
	^{95}Zr				None detected	None detected	
	^{95}Nb				None detected	None detected	
	^{131}I				None detected	None detected	
	^{134}Cs				None detected	None detected	
	^{137}Cs				None detected	None detected	
	^{140}Ba-La				None detected	None detected	
	Tritium Analysis (34) ^{3}H		Sta. OUT 0.2mi, 270°	1.98E4(1/12)	6.59E2(4/24) (1.4E1-1.98E4)	None detected	0

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.

(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.

Table A-3b

Environmental Radiological Monitoring Program Summary

Name of Facility: Diablo Canyon Power Plant — Docket No.: 50-275 and 50-323

Location of Facility: San Luis Obispo, California (County, State) — Report Period: 1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Locations Name, Distance and Direction	Mean[b] Range[b]	Number of Reportable Occurrences
Drinking water (pCi/L)	Tritium (24)		Sta. 5S2, DW1	None detected	0
	Gamma Isotopic (24)				0
	^{54}Mn			None detected	
	^{59}Fe			None detected	
	^{58}Co			None detected	
	^{60}Co			None detected	
	^{65}Zn			None detected	
	^{95}Zr			None detected	
	^{95}Nb			None detected	
	^{131}I			None detected	
	^{134}Cs			None detected	
	^{137}Cs			None detected	
	^{140}Ba-La			None detected	

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.

(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.

Table A-4

Environmental Radiological Monitoring Program Summary

Name of Facility: Diablo Canyon Power Plant — Docket No.: 50-275 and 50-323

Location of Facility: San Luis Obispo, California (County, State) — Report Period: 1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Indicator Location[c] Name, Distance and Direction	Indicator Locations Mean[b] Range[b]	All Control Locations Mean[b] Range[b]	Number of Reportable Occurrences
Mussels (pCi/kg original)	Gamma Isotopic (8)		Sta. DCM 0.2 mi., 270°	Sta. DCM	Sta. 7C2	0
	^{54}Mn			None detected	None detected	
	^{59}Fe			None detected	None detected	
	^{58}Co			None detected	None detected	
	^{60}Co			None detected	None detected	
	^{95}Nb			None detected	None detected	
	^{134}Cs			None detected	None detected	
	^{137}Cs			None detected	None detected	
	^{131}I			None detected	None detected	

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.

(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.

(c) Only one station location for this sample type.

Table A-5

Environmental Radiological Monitoring Program Summary

Name of Facility	Diablo Canyon Power Plant	Docket No.	50-275 and 50-323
Location of Facility	San Luis Obispo, California (County, State)	Report Period	1/1/01- 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Indicator Location[c] Name, Distance and Direction	Indicator Locations Mean[b] Range[b]	All Control Locations Mean[b] Range[b]	Number of Reportable Occurrences
Fish (pCi/kg original)	Gamma Isotopic (16)		Sta. DCM 0.2 mi., 270°	Sta. DCM	Sta. 7C2	0
	^{54}Mn			None detected	None detected	
	^{59}Fe			None detected	None detected	
	^{58}Co			None detected	None detected	
	^{60}Co			None detected	None detected	
	^{65}Zn			None detected	None detected	
	^{134}Cs			None detected	None detected	
	^{137}Cs			None detected	None detected	
	^{131}I			None detected	None detected	

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.
(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.
(c) Only one station location for this sample type.

Table A-6

Environmental Radiological Monitoring Program Summary

Name of Facility	Diablo Canyon Power Plant	Docket No.	50-275 and 50-323
Location of Facility	San Luis Obispo, California (County, State)	Report Period	1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Indicator Location[c] Name, Distance and Direction	Indicator Locations Mean[b] Range[b]	All Control Locations Mean[b] Range[b]	Number of Reportable Occurrences
Algae* (pCi/kg original)	Gamma Isotopic (24)		Sta. DCM 0.2 mi., 270°	Sta. DCM	Sta. 7C2	0
	^{54}Mn			None detected	None detected	
	^{59}Fe			None detected	None detected	
	^{57}Co			None detected	None detected	
	^{58}Co			14±7(1/8)	None detected	
	^{60}Co			None detected	None detected	
	^{131}I			None detected	None detected	
	^{110m}Ag			None detected	None detected	
	^{137}Cs			None detected	None detected	

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.
(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.
(c) Only one station location for this sample type.
* These samples are supplemental samples.

Table A-7

Environmental Radiological Monitoring Program Summary

Name of Facility	Diablo Canyon Power Plant	Docket No.	50-275 and 50-323
Location of Facility	San Luis Obispo, California (County, State)	Report Period	1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Indicator Location[c] Name, Distance and Direction	Indicator Locations Mean[b] Range[b]	All Control Locations Mean[b] Range[b]	Number of Reportable Occurrences
Sediment (pCi/kg dry)	Gamma Isotopic (2)		Sta. DCM 0.2 mi., 270°	Sta. DCM	Sta. 7C2	0
	^{54}Mn			None detected	None detected	
	^{59}Fe			None detected	None detected	
	^{58}Co			None detected	None detected	
	^{60}Co			None detected	None detected	
	^{65}Zn			None detected	None detected	
	^{134}Cs			None detected	None detected	
	^{137}Cs			None detected	None detected	

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.
(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.
(c) Only one station location for this sample type.

Table A-8

Environmental Radiological Monitoring Program Summary

Name of Facility	Diablo Canyon Power Plant	Docket No.	50-275 and 50-323
Location of Facility	San Luis Obispo, California (County, State)	Report Period	1/1/01 - 12/31/01

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection[a] (LLD)	Location with Highest Annual Mean		Locations Mean[b] Range[b]	Number of Reportable Occurrences
			Name, Distance and Direction	Mean[b] Range[b]		
Food crops* (pCi/kg original)	Gamma Isotopic (31)				Sta. 7C1, 7G1, 5F2, 6C1	0
	^{131}I	(1/31) 1.04E2			None detected	
	^{134}Cs				None detected	
	^{137}Cs				None detected	

Table Notation:

(a) Unless specified, all required LLDs were met in accordance with Table 3.

(b) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.

* These samples are supplemental samples.

Appendix B

ANALYTICAL RESULTS

Table B-1
Diablo Canyon Power Plant 2001 Annual Report
State Cross-Check Results[a]

Sample	Station	Sample No.	Collection Date	Gamma Activity pCi/L Original	K-40 Activity pCi/L Original	H-3 Activity pCi/L	I-131 Activity pCi/L
Drinking Water	DW1	01A30	01/22/2001	ND	12 ± 22	ND	ND
		01B00	02/20/2001	ND	ND	ND	ND
		01B67	03/20/2001	ND	ND	ND	ND
		01C37	04/24/2001	ND	9 ± 31	ND	ND
		01D03	05/17/2001	ND	ND	ND	ND
		01D82	06/19/2001	ND	15 ± 32	ND	ND
		01E78	07/25/2001	ND	ND	ND	ND
		01F45	08/21/2001	ND	ND	ND	ND
		01G09	09/18/2001	ND	ND	ND	ND
		01G85	10/22/2001	ND	ND	ND	ND
		01H72	11/26/2001	ND	ND	ND	ND
		01I56	12/17/2001	ND	ND	ND	ND
Milk	5F2	01A31	01/22/2001	ND	1335 ± 136	---	ND
		01B01	02/20/2001	ND	1290 ± 136	---	ND
		01B68	03/20/2001	ND	1394 ± 158	---	ND
		01C38	04/24/2001	ND	1439 ± 174	---	ND
		01D04	05/17/2001	ND	1474 ± 158	---	ND
		01D83	06/19/2001	ND	1603 ± 202	---	ND
		01E56	07/23/2001	ND	1540 ± 195	---	ND
		01F46	08/21/2001	ND	1448 ± 191	---	ND
		01G10	09/18/2001	ND	1393 ± 157	---	ND
		01G86	10/22/2001	ND	1405 ± 158	---	ND
		01H73	11/26/2001	ND	1421 ± 165	---	ND
		01I57	12/17/2001	ND	1561 ± 199	---	ND

Table Notation:

(a) Airborne radioisotope analyses for stations 5F1 and 7D1 are located in Table B-3. Direct Radiation measurements for stations MT1, 4D1, 5F3, 7D1, and 7C1 are located in Table B-4.

Table B-1 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
State Cross-Check Results

Sample	Station	Sample No.	Collection Date	Gamma Activity pCi/L Original	K-40 Activity pCi/L Original	H-3 Activity pCi/L	I-131 Activity pCi/L
Outfall Water	OUT	01A28	01/22/2001	ND	307 ± 48	ND	---
		01A98	02/20/2001	ND	350 ± 61	ND	---
		01B65	03/20/2001	ND	331 ± 35	ND	---
		01C35	04/24/2001	ND	358 ± 59	ND	---
		01D01	05/17/2001	ND	301 ± 58	ND	---
		01D80	06/19/2001	ND	360 ± 59	ND	---
		01E76	07/25/2001	ND	377 ± 82	ND	---
		01F47	08/21/2001	ND	343 ± 61	ND	---
		01G11	09/18/2001	ND	332 ± 77	ND	---
		01G87	10/22/2001	ND	351 ± 57	ND	---
		01H74	11/26/2001	ND	307 ± 72	ND	---
		01I61	12/17/2001	ND	374 ± 56	19800 ± 517	---
Drinking Water	5S2	01A29	01/22/2001	ND	ND	ND	ND
		01A99	02/20/2001	ND	ND	ND	ND
		01B66	03/20/2001	ND	12 ± 32	ND	ND
		01C36	04/24/2001	ND	28 ± 45	ND	ND
		01D02	05/17/2001	ND	6 ± 38	ND	ND
		01D81	06/19/2001	ND	27 ± 48	ND	ND
		01E77	07/25/2001	ND	27 ± 46	ND	ND
		01F44	08/21/2001	ND	174 ± 45	ND	ND
		01G08	09/18/2001	ND	182 ± 39	ND	ND
		01G84	10/22/2001	ND	ND	ND	ND
		01H71	11/26/2001	ND	145 ± 67	ND	ND
		01I60	12/17/2001	ND	ND	ND	ND

Table B-1 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
State Cross-Check Results

Sample	Station	Sample No.	Collection Date	Gamma Activity pCi/L Original	K-40 Activity pCi/L Original	H-3 Activity pCi/L	I-131 Activity pCi/L
Giant Kelp[b]	DCM	01A59	01/23/2001	ND	12500 ± 1280	---	---
		01E13	06/13/2001	ND	3137 ± 390	---	---
		01F63	08/23/2001	ND	14560 ± 1800	---	---
						---	---
Vegetable Greens[b]	7G1	01B64	03/20/2001	ND	3837 ± 481	---	---
		01C77	05/07/2001	ND	3909 ± 537	---	---
		01F23	08/07/2001	ND	2528 ± 351	---	---
						---	---
Fish[c]	DCM	01B81	03/22/2001	ND	3861 ± 565	---	---
		01D93	06/08/2001	ND	7427 ± 1089	---	---
		01F73	08/09/2001	ND	3689 ± 472	---	---
		01I85	10/31/2001	ND	3723 ± 445	---	---
Sediment[d]	DCM	01I90	10/31/2001	ND	16870 ± 2210	---	---

Table Notation:

(b) Sample not split with the State.
(c) Results reported in pCi/kg of original sample.
(d) Results are reported in pCi/kg of dry sample.

ND = Radionuclides of interest other than naturally occurring were not detected.
NOTE: Any samples previously agreed to but not included were unavailable due to sample availability or hazardous conditions. Values in parentheses are less than minimum detectable activity.

Table B-2

Diablo Canyon Power Plant 2001 Annual Report
Marine and Terrestrial Sample Data
Detected Nuclides (Nonnaturally Occurring) – pCi/l Water
pCi/kg Algae

Description	Sta. No.	Collection Date	Sam. No.	^{58}Co	^{60}Co	^{54}Mn	^{137}Cs	3H
Surface Water (Seawater)	DCM	03/19/01	01B60					7.01E2±3.36E2
Surface Water (Seawater)	DCM	05/24/01	01D09					4.46E2±3.45E2
Iridaea	DCM	11/28/01	01I00	14±7				
Surface Water (Seawater)	DCM	09/25/01	01G23					6.59E3±5.64E2
Surface Water (Outfall)	OUT	12/17/01	01I61					1.98E4±5.17E2

Table B-3

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 0S2 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
01/03/01-01/10/01	480.1	01/17/01	.035	.003	
01/10/01-01/17/01	467.3	01/24/01	.005	.001	
01/17/01-01/24/01	474.6	01/29/01	.025	.003	
01/24/01-01/31/01	460.4	02/07/01	.008	.001	
01/31/01-02/07/01	479.7	02/13/01	.020	.002	
02/07/01-02/14/01	451.5	02/24/01	.006	.001	
02/14/01-02/21/01	460.2	03/02/01	.006	.001	
02/21/01-02/28/01	451.5	03/08/01	.005	.001	
02/28/01-03/07/01	458.7	03/17/01	.009	.001	
03/07/01-03/14/01	456.3	03/21/01	.010	.001	
03/14/01-03/21/01	452.5	03/31/01	.011	.001	
03/21/01-03/28/01	461.1	04/11/01	.008	.001	
*03/28/01-04/04/01	449.5	04/12/01	.005	.001	
04/04/01-04/11/01	453.6	04/18/01	.006	.001	
04/11/01-04/18/01	463.0	04/25/01	.010	.001	
04/18/01-04/25/01	461.2	05/03/01	.008	.001	
04/25/01-05/02/01	437.8	05/11/01	.006	.001	
05/02/01-05/09/01	423.0	05/17/01	.011	.001	
05/09/01-05/16/01	427.8	05/18/01	.013	.002	
05/16/01-05/23/01	409.8	06/01/01	.006	.001	
05/23/01-05/30/01	410.7	06/07/01	.008	.001	
05/30/01-06/06/01	502.3	06/13/01	.008	.001	
06/06/01-06/13/01	513.7	06/27/01	.005	.001	
06/13/01-06/20/01	489.6	06/30/01	.006	.001	
06/20/01-06/27/01	500.9	07/12/01	.008	.001	
06/27/01-07/03/01	433.0	07/12/01	.007	.001	
07/03/01-07/11/01	566.0	07/18/01	.008	.001	
07/11/01-07/18/01	517.0	07/21/01	.005	.001	
07/18/01-07/25/01	511.0	08/02/01	.003	.001	
07/25/01-08/01/01	499.2	08/09/01	.004	.001	
**08/01/01-08/08/01	339.0	08/16/01	.003	.001	
08/08/01-08/15/01	508.2	08/22/01	.007	.001	
08/15/01-08/22/01	497.6	08/28/01	.005	.001	
08/22/01-08/29/01	498.3	09/05/01	.006	.001	
08/29/01-09/05/01	493.0	09/12/01	.004	.001	
09/05/01-09/12/01	502.5	09/19/01	.009	.001	
09/12/01-09/19/01	492.1	09/27/01	.007	.001	
09/19/01-09/26/01	501.6	10/04/01	.014	.002	

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 0S2 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
09/26/01-10/03/01	497.5	10/10/01	.013	.002	
10/03/01-10/10/01	475.3	10/16/01	.019	.002	
10/10/01-10/17/01	491.8	10/24/01	.021	.002	
10/17/01-10/24/01	499.9	10/30/01	.019	.002	
10/24/01-10/31/01	492.7	11/07/01	.019	.002	
10/31/01-11/07/01	504.7	11/15/01	.019	.002	
11/07/01-11/14/01	479.1	11/21/01	.022	.002	
11/14/01-11/21/01	496.5	11/28/01	.014	.002	
11/21/01-11/28/01	509.8	12/05/01	.009	.001	
11/28/01-12/05/01	496.2	12/13/01	.008	.001	
12/05/01-12/12/01	485.7	12/19/01	.008	.001	
12/12/01-12/19/01	485.2	12/26/01	.009	.001	
12/19/01-12/26/01	483.3	01/03/02	.008	.001	
12/26/01-01/02/02	499.9	01/09/02	.016	.002	

Gamma Activity On Filter Composites

Collection Period	Counting Date	Nuclide	Concentration (pCi/m^3)
01/03/01-03/28/01	4/24/2001	ND	
03/28/01-07/03/01	8/15/2001	ND	
07/03/01-10/03/01	11/27/2001	ND	
10/03/01-01/02/02	1/22/2002	ND	

*I131 LLD not met AR#A0529791
**Power failure AR#A0541324

Table Notation:
ND: Radionuclides of interest other than naturally occurring were not detected.

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 1S1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
01/03/01-01/10/01	483.0	01/17/01	.033	.003	
01/10/01-01/17/01	485.5	01/24/01	.005	.001	
01/17/01-01/24/01	491.5	01/29/01	.023	.002	
01/24/01-01/31/01	483.9	02/07/01	.007	.001	
01/31/01-02/07/01	494.3	02/13/01	.020	.002	
02/07/01-02/14/01	472.2	02/24/01	.005	.001	
02/14/01-02/21/01	482.9	03/02/01	.008	.001	
02/21/01-02/28/01	476.3	03/08/01	.005	.001	
02/28/01-03/07/01	480.4	03/17/01	.010	.001	
03/07/01-03/14/01	480.7	03/21/01	.010	.001	
03/14/01-03/21/01	479.9	03/31/01	.011	.001	
03/21/01-03/28/01	484.4	04/11/01	.008	.001	
*03/28/01-04/04/01	467.2	04/13/01	.006	.001	
04/04/01-04/11/01	475.6	04/18/01	.005	.001	
04/11/01-04/18/01	479.6	04/25/01	.010	.001	
04/18/01-04/25/01	485.3	05/03/01	.008	.001	
04/25/01-05/02/01	488.1	05/11/01	.007	.001	
05/02/01-05/09/01	470.1	05/17/01	.014	.002	
05/09/01-05/16/01	487.1	05/18/01	.014	.002	
05/16/01-05/23/01	467.7	06/01/01	.008	.001	
05/23/01-05/30/01	468.6	06/07/01	.007	.001	
05/30/01-06/06/01	473.4	06/13/01	.008	.001	
06/06/01-06/13/01	477.7	06/27/01	.005	.001	
06/13/01-06/20/01	467.8	06/30/01	.006	.001	
06/20/01-06/27/01	458.5	07/12/01	.008	.001	
06/27/01-07/03/01	397.4	07/12/01	.007	.001	
07/03/01-07/11/01	511.9	07/18/01	.009	.001	
07/11/01-07/18/01	524.4	07/21/01	.006	.001	
07/18/01-07/25/01	519.1	08/02/01	.003	.001	
07/25/01-08/01/01	501.1	08/09/01	.004	.001	
**08/01/01-08/08/01	313.5	08/16/01	.004	.001	
08/08/01-08/15/01	452.2	08/22/01	.007	.001	
08/15/01-08/22/01	436.8	08/29/01	.005	.001	
08/22/01-08/29/01	437.1	09/06/01	.007	.001	
08/29/01-09/05/01	434.3	09/12/01	.005	.001	
09/05/01-09/12/01	443.1	09/19/01	.010	.001	
09/12/01-09/19/01	437.2	09/27/01	.009	.001	
09/19/01-09/26/01	441.1	10/04/01	.013	.002	

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 1S1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
09/26/01-10/03/01	447.7	10/10/01	.022	.002	
10/03/01-10/10/01	423.8	10/16/01	.017	.002	
10/10/01-10/17/01	442.6	10/24/01	.021	.002	
10/17/01-10/24/01	481.5	10/30/01	.017	.002	
10/24/01-10/31/01	483.1	11/07/01	.017	.002	
10/31/01-11/07/01	487.0	11/15/01	.019	.002	
11/07/01-11/14/01	466.2	11/21/01	.023	.002	
11/14/01-11/21/01	486.7	11/28/01	.016	.002	
11/21/01-11/28/01	408.5	12/05/01	.009	.001	
11/28/01-12/05/01	419.6	12/13/01	.008	.001	
12/05/01-12/12/01	427.5	12/19/01	.010	.001	
12/12/01-12/19/01	444.5	12/26/01	.009	.001	
12/19/01-12/26/01	448.4	01/03/02	.010	.001	
12/26/01-01/02/02	467.5	01/09/02	.013	.001	

Gamma Activity On Filter Composites

Collection Period	Counting Date	Nuclide	Concentration (pCi/m^3)
01/03/01-03/28/01	4/24/2001	ND	
03/28/01-07/03/01	8/14/2001	ND	
07/03/01-10/03/01	11/28/2001	ND	
10/03/01-01/02/02	1/18/2002	ND	

*I131 LLD not met AR#A0529791
**Power failure AR#A0541325

Table Notation:
ND: Radionuclides of interest other than naturally occurring were not detected.

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 5F1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
01/03/01-01/10/01	533.9	01/17/01	.032	.003	
01/10/01-01/17/01	526.0	01/23/01	.005	.001	
01/17/01-01/24/01	528.8	01/29/01	.028	.003	
01/24/01-01/31/01	518.0	02/06/01	.008	.001	
01/31/01-02/07/01	512.9	02/13/01	.019	.002	
02/07/01-02/14/01	482.0	02/24/01	.006	.001	
02/14/01-02/21/01	490.6	03/01/01	.008	.001	
02/21/01-02/28/01	487.8	03/08/01	.005	.001	
02/28/01-03/07/01	474.1	03/16/01	.008	.001	
03/07/01-03/14/01	495.2	03/20/01	.009	.001	
03/14/01-03/21/01	488.7	03/30/01	.012	.001	
03/21/01-03/28/01	494.2	04/10/01	.007	.001	
03/28/01-04/04/01	475.1	04/12/01	.005	.001	
04/04/01-04/11/01	482.1	04/17/01	.007	.001	
04/11/01-04/18/01	487.8	04/25/01	.008	.001	
04/18/01-04/25/01	481.3	05/02/01	.007	.001	
04/25/01-05/02/01	480.3	05/11/01	.006	.001	
05/02/01-05/09/01	394.8	05/16/01	.013	.002	
05/09/01-05/16/01	444.1	05/18/01	.018	.002	
05/16/01-05/23/01	449.2	06/01/01	.007	.001	
05/23/01-05/30/01	454.5	06/07/01	.008	.001	
05/30/01-06/06/01	483.0	06/12/01	.010	.001	
06/06/01-06/13/01	485.4	06/26/01	.005	.001	
06/13/01-06/20/01	479.5	06/29/01	.008	.001	
06/20/01-06/27/01	456.5	07/12/01	.008	.001	
06/27/01-07/03/01	379.0	07/12/01	.008	.001	
07/03/01-07/11/01	554.5	07/17/01	.008	.001	
*07/11/01-07/18/01	0.2	N/A	N/A	N/A	
*07/18/01-07/25/01	N/A	N/A	N/A	N/A	
07/25/01-08/01/01	510.8	08/09/01	.004	.001	
08/01/01-08/08/01	416.3	08/14/01	.003	.001	
08/08/01-08/15/01	401.3	08/22/01	.007	.001	
08/15/01-08/22/01	413.0	08/28/01	.006	.001	
08/22/01-08/29/01	437.7	09/05/01	.006	.001	
08/29/01-09/05/01	437.9	09/11/01	.007	.001	
09/05/01-09/12/01	463.9	09/18/01	.010	.001	
09/12/01-09/19/01	458.0	09/26/01	.007	.001	
09/19/01-09/26/01	461.5	10/03/01	.012	.001	

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 5F1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
09/26/01-10/03/01	461.7	10/10/01	.013	.001	
10/03/01-10/10/01	442.7	10/16/01	.015	.002	
10/10/01-10/17/01	462.0	10/24/01	.022	.002	
10/17/01-10/24/01	444.4	10/30/01	.017	.002	
10/24/01-10/31/01	460.3	11/07/01	.018	.002	
10/31/01-11/07/01	458.1	11/14/01	.016	.002	
11/07/01-11/14/01	440.6	11/21/01	.021	.002	
11/14/01-11/21/01	454.7	11/27/01	.014	.002	
11/21/01-11/28/01	462.5	12/05/01	.009	.001	
11/28/01-12/05/01	460.6	12/13/01	.008	.001	
12/05/01-12/12/01	466.6	12/19/01	.008	.001	
12/12/01-12/19/01	472.1	12/26/01	.009	.001	
12/19/01-12/26/01	472.0	01/02/02	.013	.001	
12/26/01-01/02/02	471.3	01/08/02	.014	.002	

Gamma Activity on Filter Composites

Collection Period	Counting Date	Nuclide	Concentration (pCi/m^3)
01/03/01-03/28/01	4/24/2001	ND	
03/28/01-07/03/01	8/15/2001	ND	
07/03/01-10/03/01	11/27/2001	ND	
10/03/01-01/02/02	1/18/2002	ND	

*Disconnected hose AR#A0537995

Table Notation:
ND: Radionuclides of interest other than naturally occurring were not detected.

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 7D1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
01/03/01-01/10/01	470.8	01/17/01	.032	.003	
01/10/01-01/17/01	471.5	01/23/01	.006	.001	
01/17/01-01/24/01	477.4	01/29/01	.024	.002	
01/24/01-01/31/01	472.1	02/06/01	.008	.001	
01/31/01-02/07/01	443.3	02/13/01	.018	.002	
02/07/01-02/14/01	424.2	02/24/01	.006	.001	
02/14/01-02/21/01	435.0	03/01/01	.008	.001	
02/21/01-02/28/01	432.2	03/08/01	.005	.001	
02/28/01-03/07/01	439.9	03/16/01	.009	.001	
03/07/01-03/14/01	442.3	03/21/01	.009	.001	
03/14/01-03/21/01	445.2	03/30/01	.012	.001	
03/21/01-03/28/01	450.5	04/11/01	.008	.001	
03/28/01-04/04/01	440.7	04/12/01	.005	.001	
04/04/01-04/11/01	445.6	04/17/01	.007	.001	
04/11/01-04/18/01	441.7	04/25/01	.009	.001	
04/18/01-04/25/01	447.8	05/03/01	.009	.001	
04/25/01-05/02/01	450.5	05/11/01	.008	.001	
05/02/01-05/09/01	411.4	05/16/01	.014	.002	
05/09/01-05/16/01	445.3	05/18/01	.019	.002	
05/16/01-05/23/01	437.9	06/01/01	.009	.001	
05/23/01-05/30/01	447.1	06/07/01	.008	.001	
05/30/01-06/06/01	459.9	06/12/01	.009	.001	
06/06/01-06/13/01	456.0	06/26/01	.007	.001	
06/13/01-06/20/01	448.8	06/29/01	.007	.001	
06/20/01-06/27/01	448.8	07/12/01	.008	.001	
06/27/01-07/03/01	389.6	07/12/01	.007	.001	
07/03/01-07/11/01	512.6	07/17/01	.009	.001	
07/11/01-07/18/01	490.8	07/21/01	.009	.001	
07/18/01-07/25/01	497.6	08/02/01	.003	.001	
07/25/01-08/01/01	476.6	08/09/01	.005	.001	
08/01/01-08/08/01	438.4	08/14/01	.002	.001	
08/08/01-08/15/01	445.1	08/22/01	.008	.001	
08/15/01-08/22/01	441.2	08/29/01	.005	.001	
08/22/01-08/29/01	455.9	09/05/01	.007	.001	
08/29/01-09/05/01	449.1	09/11/01	.005	.001	
09/05/01-09/12/01	464.0	09/18/01	.010	.001	

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 7D1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
09/12/01-09/19/01	453.8	09/26/01	.008	.001	
09/19/01-09/26/01	460.1	10/03/01	.015	.002	
09/26/01-10/03/01	463.0	10/10/01	.016	.002	
10/03/01-10/10/01	441.4	10/16/01	.015	.002	
10/10/01-10/17/01	475.5	10/24/01	.022	.002	
10/17/01-10/24/01	459.9	10/30/01	.017	.002	
10/24/01-10/31/01	456.8	11/07/01	.019	.002	
10/31/01-11/07/01	475.4	11/14/01	.020	.002	
11/07/01-11/14/01	443.3	11/21/01	.022	.002	
11/14/01-11/21/01	453.8	11/27/01	.016	.002	
11/21/01-11/28/01	460.6	12/05/01	.008	.001	
11/28/01-12/05/01	455.9	12/13/01	.008	.001	
12/05/01-12/12/01	459.4	12/19/01	.008	.001	
12/12/01-12/19/01	460.9	12/26/01	.011	.001	
12/19/01-12/26/01	456.1	01/02/02	.011	.001	
12/26/01-01/02/02	467.1	01/08/02	.014	.002	

Gamma Activity on Filter Composites

Collection Period	Counting Date	Nuclide	Concentration (pCi/m^3)
01/03/01-03/28/01	4/24/2001	ND	
03/28/01-07/03/01	8/15/2001	ND	
07/03/01-10/03/01	11/27/2001	ND	
10/03/01-01/02/02	1/18/2002	ND	

Table Notation:

ND: Radionuclides of interest other than naturally occurring were not detected.

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 8S1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
01/03/01-01/10/01	470.9	01/17/01	.033	.003	
01/10/01-01/17/01	477.4	01/24/01	.005	.001	
01/17/01-01/24/01	477.3	01/29/01	.027	.003	
01/24/01-01/31/01	471.0	02/06/01	.007	.001	
01/31/01-02/07/01	486.0	02/13/01	.020	.002	
02/07/01-02/14/01	463.0	02/24/01	.006	.001	
02/14/01-02/21/01	473.1	03/01/01	.007	.001	
02/21/01-02/28/01	453.3	03/08/01	.005	.001	
02/28/01-03/07/01	479.6	03/17/01	.009	.001	
03/07/01-03/14/01	480.8	03/21/01	.009	.001	
03/14/01-03/21/01	478.7	03/30/01	.011	.001	
03/21/01-03/28/01	486.5	04/11/01	.007	.001	
03/28/01-04/04/01	471.6	04/12/01	.005	.001	
04/04/01-04/11/01	479.7	04/17/01	.006	.001	
04/11/01-04/18/01	478.8	04/25/01	.010	.001	
04/18/01-04/25/01	479.9	05/03/01	.008	.001	
04/25/01-05/02/01	477.2	05/11/01	.006	.001	
05/02/01-05/09/01	474.4	05/17/01	.013	.001	
05/09/01-05/16/01	490.1	05/18/01	.013	.002	
05/16/01-05/23/01	480.7	06/01/01	.006	.001	
05/23/01-05/30/01	482.0	06/07/01	.008	.001	
05/30/01-06/06/01	485.4	06/12/01	.008	.001	
06/06/01-06/13/01	488.8	06/26/01	.005	.001	
06/13/01-06/20/01	471.4	06/29/01	.007	.001	
06/20/01-06/27/01	477.8	07/12/01	.007	.001	
06/27/01-07/03/01	409.6	07/12/01	.006	.001	
07/03/01-07/11/01	541.1	07/18/01	.008	.001	
07/11/01-07/18/01	500.1	07/21/01	.005	.001	
07/18/01-07/25/01	499.9	08/02/01	.003	.001	
07/25/01-08/01/01	490.7	08/09/01	.004	.001	
*08/01/01-08/08/01	373.3	08/15/01	.002	.001	
08/08/01-08/15/01	499.7	08/22/01	.008	.001	
08/15/01-08/22/01	490.1	08/28/01	.005	.001	
08/22/02-08/29/01	496.8	09/05/01	.006	.001	
08/29/01-09/05/01	489.4	09/11/01	.005	.001	
09/05/01-09/12/01	506.7	09/19/01	.010	.001	
09/12/01-09/19/01	495.1	09/27/01	.007	.001	
09/19/01-09/26/01	500.2	10/04/01	.013	.001	

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 8S1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
09/26/01-10/03/01	508.2	10/10/01	.029	.003	
10/03/01-10/10/01	479.0	10/16/01	.017	.002	
10/10/01-10/17/01	505.4	10/24/01	.022	.002	
10/17/01-10/24/01	507.5	10/30/01	.017	.002	
10/24/01-10/31/01	501.3	11/07/01	.017	.002	
10/31/01-11/07/01	512.8	11/14/01	.016	.002	
11/07/01-11/14/01	485.6	11/21/01	.021	.002	
11/14/01-11/21/01	500.2	11/27/01	.015	.002	
11/21/01-11/28/01	462.7	12/05/01	.008	.001	
11/28/01-12/05/01	459.8	12/13/01	.008	.001	
12/05/01-12/12/01	460.0	12/19/01	.010	.001	
12/12/01-12/19/01	458.6	12/26/01	.012	.001	
12/19/01-12/26/01	449.7	01/03/02	.009	.001	
12/26/01-01/02/02	458.3	01/08/02	.013	.001	

Gamma Activity on Filter Composites

Collection Period	Counting Date	Nuclide	Concentration (pCi/m^3)
01/03/01-03/28/01	4/24/2001	ND	
03/28/01-07/03/01	8/15/2001	ND	
07/03/01-10/03/01	11/27/2001	ND	
10/03/01-01/02/02	1/18/2002	ND	

*Power failure AR#A0541323

Table Notation:

ND: Radionuclides of interest other than naturally occurring were not detected.

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 8S2 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
01/03/01-01/10/01	482.9	01/17/01	.031	.003	
01/10/01-01/17/01	491.3	01/24/01	.006	.001	
01/17/01-01/24/01	496.9	01/29/01	.024	.002	
01/24/01-01/31/01	489.8	02/06/01	.009	.001	
01/31/01-02/07/01	502.9	02/13/01	.020	.002	
02/07/01-02/14/01	475.7	02/24/01	.006	.001	
02/14/01-02/21/01	490.4	03/02/01	.008	.001	
02/21/01-02/28/01	482.5	03/08/01	.004	.001	
02/28/01-03/07/01	475.1	03/18/01	.010	.001	
03/07/01-03/14/01	482.1	03/21/01	.009	.001	
03/14/01-03/21/01	479.7	03/31/01	.010	.001	
03/21/01-03/28/01	492.2	04/11/01	.010	.001	
*03/28/01-04/04/01	477.0	04/12/01	.006	.001	
04/04/01-04/11/01	474.4	04/17/01	.006	.001	
04/11/01-04/18/01	479.6	04/25/01	.011	.001	
04/18/01-04/25/01	503.1	05/03/01	.008	.001	
04/25/01-05/02/01	503.1	05/11/01	.007	.001	
05/02/01-05/09/01	513.8	05/17/01	.015	.002	
05/09/01-05/16/01	511.2	05/18/01	.015	.002	
05/16/01-05/23/01	533.5	06/01/01	.007	.001	
05/23/01-05/30/01	498.2	06/07/01	.008	.001	
05/30/01-06/06/01	508.1	06/12/01	.008	.001	
**06/06/01-06/13/01	116.9	06/27/01	.011	.003	
06/13/01-06/20/01	457.0	06/30/01	.006	.001	
06/20/01-06/27/01	449.9	07/12/01	.008	.001	
06/27/01-07/03/01	393.2	07/12/01	.007	.001	
07/03/01-07/11/01	506.8	07/18/01	.009	.001	
07/11/01-07/18/01	514.3	07/21/01	.006	.001	
07/18/01-07/25/01	503.8	08/02/01	.003	.001	
07/25/01-08/01/01	488.8	08/09/01	.004	.001	
***08/01/01-08/08/01	348.5	08/15/01	.002	.001	
08/08/01-08/15/01	496.8	08/22/01	.007	.001	
08/15/01-08/22/01	486.1	08/29/01	.005	.001	
08/22/01-08/29/01	507.3	09/05/01	.006	.001	
08/29/01-09/05/01	496.6	09/12/01	.005	.001	
09/05/01-09/12/01	518.4	09/19/01	.010	.001	
09/12/01-09/19/01	500.4	09/27/01	.010	.001	
09/19/01-09/26/01	504.9	10/04/01	.026	.003	

Table B-3 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station 8S2 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
09/26/01-10/03/01	504.4	10/10/01	.013	.001	
10/03/01-10/10/01	480.0	10/16/01	.027	.003	
10/10/01-10/17/01	499.1	10/24/01	.023	.002	
10/17/01-10/24/01	520.6	10/30/01	.017	.002	
****10/24/01-10/31/01	171.3	11/07/01	.019	.003	
10/31/01-11/07/01	456.9	11/15/01	.020	.002	
11/07/01-11/14/01	428.5	11/21/01	.023	.002	
11/14/01-11/21/01	445.9	11/28/01	.015	.002	
11/21/01-11/28/01	446.6	12/05/01	.010	.001	
11/28/01-12/05/01	446.0	12/13/01	.009	.001	
12/05/01-12/12/01	449.3	12/19/01	.009	.001	
12/12/01-12/19/01	444.5	12/26/01	.010	.001	
12/19/01-12/26/01	436.7	01/03/02	.010	.001	
12/26/01-01/02/02	447.7	01/09/02	.013	.001	

Gamma Activity on Filter Composites

Collection Period	Counting Date	Nuclide	Concentration (pCi/m^3)
01/03/01-03/28/01	4/26/2001	ND	
03/28/01-07/03/01	8/15/2001	ND	
07/03/01-10/03/01	11/27/2001	ND	
10/03/01-01/02/02	1/18/2002	ND	

*Equipment malfunction AR#A0529791
**Equipment malfunction AR#A0536298
***Power failure AR#A0541313
****Equipment malfunction AR#A0545817

Table Notation:

ND: Radionuclides of interest other than naturally occurring were not detected.

Table B-3 (continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station MT1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
01/03/01-01/10/01	428.1	01/17/01	.034	.003	
01/10/01-01/17/01	459.9	01/23/01	.006	.001	
01/17/01-01/24/01	497.6	01/29/01	.023	.002	
01/24/01-01/31/01	482.7	02/06/01	.008	.001	
01/31/01-02/07/01	513.7	02/13/01	.021	.002	
02/07/01-02/14/01	492.3	02/24/01	.007	.001	
02/14/01-02/21/01	495.6	03/01/01	.008	.001	
02/21/01-02/28/01	483.3	03/07/01	.005	.001	
02/28/01-03/07/01	493.7	03/16/01	.010	.001	
03/07/01-03/14/01	512.6	03/20/01	.009	.001	
03/14/01-03/21/01	523.9	03/30/01	.008	.001	
03/21/01-03/28/01	526.2	04/10/01	.008	.001	
03/28/01-04/04/01	512.6	04/12/01	.005	.001	
04/04/01-04/11/01	520.9	04/17/01	.007	.001	
04/11/01-04/18/01	478.3	04/25/01	.010	.001	
04/18/01-04/25/01	467.9	05/02/01	.008	.001	
04/25/01-05/02/01	460.7	05/11/01	.006	.001	
05/02/01-05/09/01	442.7	05/16/01	.013	.002	
05/09/01-05/16/01	463.8	05/18/01	.014	.002	
05/16/01-05/23/01	455.3	06/01/01	.006	.001	
05/23/01-05/30/01	456.2	06/07/01	.008	.001	
05/30/01-06/06/01	459.6	06/12/01	.007	.001	
06/06/01-06/13/01	462.9	06/26/01	.004	.001	
06/13/01-06/20/01	453.0	06/29/01	.005	.001	
06/20/01-06/27/01	448.6	07/12/01	.007	.001	
06/27/01-07/03/01	397.1	07/12/01	.006	.001	
07/03/01-07/11/01	515.3	07/17/01	.006	.001	
07/11/01-07/18/01	525.9	07/20/01	.006	.001	
07/18/01-07/25/01	523.6	08/01/01	.003	.001	
07/25/01-08/01/01	510.4	08/09/01	.004	.001	
08/01/01-08/08/01	522.9	08/14/01	.003	.001	
08/08/01-08/15/01	497.2	08/22/01	.006	.001	
08/15/01-08/22/01	493.1	08/28/01	.005	.001	
08/22/02-08/29/01	497.1	09/05/01	.006	.001	
08/29/01-09/05/01	492.7	09/11/01	.005	.001	
09/05/01-09/12/01	514.2	09/19/01	.011	.001	
09/12/01-09/19/01	500.2	09/26/01	.006	.001	

Table B-3 (continued)

Diablo Canyon Power Plant 2001 Annual Report
Airborne Radioactivity
Station MT1 (pCi/m^3)

Collection Period	Volume (m^3)	Counting Date	Gross Beta Activity	2Sigma	Gamma Scan
09/19/01-09/26/01	513.7	10/03/01	.015	.002	
09/26/01-10/03/01	517.9	10/09/01	.014	.002	
10/03/01-10/10/01	488.9	10/16/01	.017	.002	
10/10/01-10/17/01	511.2	10/23/01	.020	.002	
10/17/01-10/24/01	463.9	10/30/01	.017	.002	
10/24/01-10/31/01	464.8	11/07/01	.018	.002	
10/31/01-11/07/01	477.5	11/14/01	.018	.002	
11/07/01-11/14/01	451.3	11/21/01	.021	.002	
11/14/01-11/21/01	469.4	11/27/01	.015	.002	
11/21/01-11/28/01	466.8	12/04/01	.007	.001	
11/28/01-12/05/01	467.7	12/12/01	.009	.001	
12/05/01-12/12/01	461.9	12/19/01	.010	.001	
12/12/01-12/19/01	468.2	12/26/01	.009	.001	
12/19/01-12/26/01	459.4	01/02/02	.010	.001	
12/26/01-01/02/02	471.3	01/08/02	.015	.002	

Gamma Activity on Filter Composites

Collection Period	Counting Date	Nuclide	Concentration (pCi/m^3)
01/03/01-03/28/01	4/24/2001	ND	
03/28/01-07/03/01	8/15/2001	ND	
07/03/01-10/03/01	11/27/2001	ND	
10/03/01-01/02/02	1/17/2002	ND	

Table Notation:

ND: Radionuclides of interest other than naturally occurring were not detected.

Table B-4

Diablo Canyon Power Plan 2001 Annual Report
Environmental Doismetry

Station	Quarterly Total (mR) [a] 1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Annual Total	Quarterly Avg	±2σ
MT1	20.7 ± 0.7	19.1 ± 0.5	20.8 ± 0.5	20.6 ± 0.6	81.2	20.3	1.6
WN1	11.4 ± 0.2	11.0 ± 0.3	11.8 ± 0.3	12.1 ± 0.4	46.3	11.6	1.0
OS1	19.8 ± 0.7	18.9 ± 0.5	20.1 ± 0.5	19.9 ± 0.4	78.7	19.7	1.1
5S1	22.0 ± 0.5	20.4 ± 0.6	21.9 ± 0.6	22.5 ± 0.8	86.9	21.7	1.8
6S1	12.7 ± 0.4	12.5 ± 0.3	13.2 ± 0.3	13.2 ± 0.3	51.6	12.9	0.7
8S1	15.0 ± 0.8	14.7 ± 0.3	15.5 ± 0.3	15.6 ± 0.5	60.8	15.2	0.8
8S2	19.5 ± 0.3	18.2 ± 0.3	19.2 ± 0.5	20.8 ± 0.5	77.6	19.4	2.1
5S3	17.2 ± 0.3	16.7 ± 0.6	17.7 ± 0.5	18.4 ± 0.3	70.0	17.5	1.5
2D1	11.1 ± 0.2	10.8 ± 0.3	11.2 ± 0.3	11.3 ± 0.5	44.4	11.1	0.4
4D1	10.3 ± 0.3	10.0 ± 0.4	10.7 ± 0.2	11.2 ± 0.4	42.2	10.5	1.0
5F1	16.8 ± 0.5	15.8 ± 0.4	16.8 ± 0.6	19.3 ± 1.9	68.7	17.2	3.0
1A1	10.7 ± 0.3	10.2 ± 0.3	10.8 ± 0.3	11.4 ± 0.3	43.1	10.8	1.0
7D2	14.9 ± 0.5	14.7 ± 0.5	15.9 ± 0.5	15.6 ± 0.3	61.2	15.3	1.2
7G2	15.7 ± 0.7	15.6± 0.2	15.9 ± 0.4	16.5 ± 0.6	63.7	15.9	0.8
7C1	16.5 ± 0.3	16.2 ± 0.5	17.1 ± 0.3	17.1 ± 0.5	66.9	16.7	0.9
7F1	15.8 ± 0.5	15.2 ± 0.5	15.4 ± 0.5	15.9 ± 0.3	62.3	15.6	0.7
OB1	9.1 ± 0.2	9.3 ± 0.3	9.5 ± 0.3	9.5 ± 0.3	37.4	9.4	0.4
7D1	10.3 ± 0.3	10.2 ± 0.2	10.9 ± 0.3	11.0 ± 0.3	42.3	10.6	0.8
4C1	9.8 ± 0.2	9.8 ± 0.2	10.2 ± 0.3	10.3 ± 0.2	40.0	10.0	0.5
OS2	16.4 ± 0.4	15.9 ± 0.5	16.4 ± 0.5	16.2 ± 0.4	64.9	16.2	0.5
1S1	16.1 ± 0.6	15.8 ± 0.4	16.4 ± 0.4	16.4 ± 0.4	64.8	16.2	0.6
2S1	15.8 ± 0.7	15.7 ± 0.3	16.0 ± 0.3	16.3 ± 0.4	63.7	15.9	0.5
3S1	19.1 ± 0.6	20.1 ± 0.5	20.7 ± 0.6	21.0 ± 2.0	80.9	20.2	1.7
4S1	17.2 ± 0.4	17.4 ± 0.2	18.2 ± 0.3	17.9 ± 0.6	70.7	17.7	0.9
7S1	16.6 ± 0.4	16.5 ± 0.6	17.4 ± 0.3	17.1 ± 0.4	67.5	16.9	0.8
9S1	20.0 ± 0.4	20.2 ± 0.8	21.5 ± 0.5	21.0 ± 0.6	82.6	20.7	1.4
1C1	12.1 ± 0.3	12.4 ± 0.3	12.7 ± 0.4	12.9 ± 0.5	50.1	12.5	0.7
5C1	14.2 ± 0.2	14.6 ± 0.3	16.0± 0.5	15.8 ± 0.5	60.6	15.1	1.8
3D1	11.6 ± 0.4	11.2 ± 0.3	12.2 ± 0.4	12.4 ± 0.4	47.4	11.9	1.1
6D1	14.6 ± 0.5	14.1 ± 0.3	15.8 ± 0.7	16.2 ± 0.4	60.7	15.2	2.0
5F3	21.0 ± 0.5	20.1 ± 0.5	22.1 ±0.7	22.0 ± 0.6	85.2	21.3	1.9

Table Notation:
[a] The exposure (mR) has been normalized for a standard quarter (i.e., for a 90-day period).

Table B-5

Land Use Census 2001

Distance in Miles from the Unit 1 Center Line to the Nearest Milk Animal, Residence, Vegetable Garden

22½ Degree[a] Radial Sector	Nearest Milk Animal	Nearest Residence km (mi)	Residence Azimuth Degree	Nearest Vegetable Garden km (mi)
NW	None	1.93 (1.2)	319.5	None
NNW	None	2.41 (1.5)	331	None
N	None	None	—	None
NNE	None	5.3 (3.3)	018.5	None
NE	None	7.89 (4.9)	036	None
ENE	None	7.08 (4.4)	063.5	None
E	None	5.95 (3.7)	097.5	None
E	None	7.24 (4.5)	098	7.24 (4.5)
ESE	None	None	—	5.28 (3.3)[b]
SE	None	None	—	None

Table Notation:

(a) Sectors not shown contain no land beyond the site boundary, other than islets not used for the purposes indicated in this table.

(b) The vegetable garden indicated is the commercial farm along the westward side of the site access road; however, it does not produce broadleaf vegetation. Area is about 100 acres of land with 6 to 10 rotational plantings per year (not all 100 acres planted at any one time). Commercial crops are about 75% sugar peas and 25% oat hay. The farm starts at approximately 3.3 miles and extends to 4.5 miles from the plant.

Table B-6

Diablo Canyon Power Plant 2001 Annual Report
Sensitivity Limits (LLD) Exceeded*

Sample	Station No.	Date Collected	^{131}I**
Mixed Greens	6C1	10/19/01	1.04E2
Milk	5F2	12/17/01	1.04E0
Air Particulate	8S2	04/04/01	7.5E-2
Air Particulate	8S2	06/13/01	1.2E-1
Air Particulate	0S2	04/04/01	9.0E-2
Air Particulate	1S1	04/04/01	7.03E-2

Table Notation:

* Table Lists all samples for which the sensitivity limits did not meet the values on Table 3.
** Results are reported in pCi/L for liquids; in pCi/m^3, for iodine cartridges; and pCi/kg, for fish and food crops.

Table B-7

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01A01	Goat Meat		1/5/2001
01A02	Market Fish	7D3	1/9/2001
01A03	California Mussels	DCM	1/9/2001
01A04	Intertidal Algae	DCM	1/9/2001
01A05	California Mussels	7C2	1/9/2001
01A06	Intertidal Algae	7C2	1/9/2001
01A09	Air Particulate, Iodine Cartridge	MT1	1/10/2001
01A10	Air Particulate, Iodine Cartridge	5F1	1/10/2001
01A11	Air Particulate, Iodine Cartridge	7D1	1/10/2001
01A12	Air Particulate, Iodine Cartridge	8S1	1/10/2001
01A13	Air Particulate, Iodine Cartridge	8S2	1/10/2001
01A14	Air Particulate, Iodine Cartridge	0S2	1/10/2001
01A15	Air Particulate, Iodine Cartridge	1S1	1/10/2001
01A18	Air Particulate, Iodine Cartridge	MT1	1/17/2001
01A19	Air Particulate, Iodine Cartridge	5F1	1/17/2001
01A20	Air Particulate, Iodine Cartridge	7D1	1/17/2001
01A21	Air Particulate, Iodine Cartridge	8S1	1/17/2001
01A22	Air Particulate, Iodine Cartridge	8S2	1/17/2001
01A23	Air Particulate, Iodine Cartridge	0S2	1/17/2001
01A24	Air Particulate, Iodine Cartridge	1S1	1/17/2001
01A28	Surface Water (Outfall)	OUT	1/22/2001
01A29	Drinking Water	5S2	1/22/2001
01A30	Drinking Water	DW1	1/22/2001
01A31	Milk	5F2	1/22/2001
01A32	Surface Water (Seawater)	DCM	1/23/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01A33	Surface Water (Seawater)	7C2	1/23/2001
01A36	Air Particulate, Iodine Cartridge	MT1	1/24/2001
01A37	Air Particulate, Iodine Cartridge	5F1	1/24/2001
01A38	Air Particulate, Iodine Cartridge	7D1	1/24/2001
01A39	Air Particulate, Iodine Cartridge	8S1	1/24/2001
01A40	Air Particulate, Iodine Cartridge	8S2	1/24/2001
01A41	Air Particulate, Iodine Cartridge	0S2	1/24/2001
01A42	Air Particulate, Iodine Cartridge	1S1	1/24/2001
01A56	Bull Kelp Blade	PON	1/23/2001
01A57	Bull Kelp Pneumatocyst	PON	1/23/2001
01A58	Giant Kelp Blade	DCM	1/23/2001
01A59	Giant Kelp Pneumatocyst	DCM	1/23/2001
01A60	Bull Kelp Blade	POS	1/23/2001
01A61	Bull Kelp Pneumatocyst	POS	1/23/2001
01A62	Bull Kelp Blade	7C2	1/23/2001
01A63	Bull Kelp Pneumatocyst	7C2	1/23/2001
01A64	Vegetative Greens (Snow Peas)	7C1	1/30/2001
01A71	Air Particulate, Iodine Cartridge	MT1	1/31/2001
01A72	Air Particulate, Iodine Cartridge	5F1	1/31/2001
01A73	Air Particulate, Iodine Cartridge	7D1	1/31/2001
01A74	Air Particulate, Iodine Cartridge	8S1	1/31/2001
01A75	Air Particulate, Iodine Cartridge	8S2	1/31/2001
01A76	Air Particulate, Iodine Cartridge	0S2	1/31/2001
01A77	Air Particulate, Iodine Cartridge	1S1	1/31/2001
01A80	Air Particulate, Iodine Cartridge	MT1	2/7/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01A81	Air Particulate, Iodine Cartridge	5F1	2/7/2001
01A82	Air Particulate, Iodine Cartridge	7D1	2/7/2001
01A83	Air Particulate, Iodine Cartridge	8S1	2/7/2001
01A84	Air Particulate, Iodine Cartridge	8S2	2/7/2001
01A85	Air Particulate, Iodine Cartridge	0S2	2/7/2001
01A86	Air Particulate, Iodine Cartridge	1S1	2/7/2001
01A88	Air Particulate, Iodine Cartridge	MT1	2/14/2001
01A89	Air Particulate, Iodine Cartridge	5F1	2/14/2001
01A90	Air Particulate, Iodine Cartridge	7D1	2/14/2001
01A91	Air Particulate, Iodine Cartridge	8S1	2/14/2001
01A92	Air Particulate, Iodine Cartridge	8S2	2/14/2001
01A93	Air Particulate, Iodine Cartridge	0S2	2/14/2001
01A94	Air Particulate, Iodine Cartridge	1S1	2/14/2001
01A98	Surface Water (Outfall)	OUT	2/20/2001
01A99	Drinking Water	5S2	2/20/2001
01B00	Drinking Water	DW1	2/20/2001
01B01	Milk	5F2	2/20/2001
01B03	Air Particulate, Iodine Cartridge	MT1	2/21/2001
01B04	Air Particulate, Iodine Cartridge	5F1	2/21/2001
01B05	Air Particulate, Iodine Cartridge	7D1	2/21/2001
01B06	Air Particulate, Iodine Cartridge	8S1	2/21/2001
01B07	Air Particulate, Iodine Cartridge	8S2	2/21/2001
01B08	Air Particulate, Iodine Cartridge	0S2	2/21/2001
01B09	Air Particulate, Iodine Cartridge	1S1	2/21/2001
01B13	Air Particulate, Iodine Cartridge	MT1	2/28/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01B14	Air Particulate, Iodine Cartridge	5F1	2/28/2001
01B15	Air Particulate, Iodine Cartridge	7D1	2/28/2001
01B16	Air Particulate, Iodine Cartridge	8S1	2/28/2001
01B17	Air Particulate, Iodine Cartridge	8S2	2/28/2001
01B18	Air Particulate, Iodine Cartridge	0S2	2/28/2001
01B19	Air Particulate, Iodine Cartridge	1S1	2/28/2001
01B20	Surface Water (Seawater)	DCM	3/2/2001
01B21	Surface Water (Seawater)	7C2	3/2/2001
01B25	Air Particulate, Iodine Cartridge	MT1	3/7/2001
01B26	Air Particulate, Iodine Cartridge	5F1	3/7/2001
01B27	Air Particulate, Iodine Cartridge	7D1	3/7/2001
01B28	Air Particulate, Iodine Cartridge	8S1	3/7/2001
01B29	Air Particulate, Iodine Cartridge	8S2	3/7/2001
01B30	Air Particulate, Iodine Cartridge	0S2	3/7/2001
01B31	Air Particulate, Iodine Cartridge	1S1	3/7/2001
01B50	California Mussels	POS	3/7/2001
01B51	Vegetative Greens (Broccoli)	5F2	3/13/2001
01B52	Vegetative Greens (Snow Peas)	7C1	3/13/2001
01B53	Air Particulate, Iodine Cartridge	MT1	3/14/2001
01B54	Air Particulate, Iodine Cartridge	5F1	3/14/2001
01B55	Air Particulate, Iodine Cartridge	7D1	3/14/2001
01B56	Air Particulate, Iodine Cartridge	8S1	3/14/2001
01B57	Air Particulate, Iodine Cartridge	8S2	3/14/2001
01B58	Air Particulate, Iodine Cartridge	0S2	3/14/2001
01B59	Air Particulate, Iodine Cartridge	1S1	3/14/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01B60	Surface Water (Seawater)	DCM	3/19/2001
01B61	Surface Water (Seawater)	7C2	3/19/2001
01B64	Vegetative Greens (Cabbage)	7G1	3/20/2001
01B65	Surface Water (Outfall)	OUT	3/20/2001
01B66	Drinking Water	5S2	3/20/2001
01B67	Drinking Water	DW1	3/20/2001
01B68	Milk	5F2	3/20/2001
01B79	Perch	PON	3/22/2001
01B80	Rockfish	PON	3/22/2001
01B81	Perch	DCM	3/22/2001
01B82	Rockfish	DCM	3/22/2001
01B83	Perch	POS	3/22/2001
01B84	Rockfish	POS	3/22/2001
01B85	Perch	7C2	3/22/2001
01B86	Rockfish	7C2	3/22/2001
01B87	Air Particulate, Iodine Cartridge	MT1	3/21/2001
01B88	Air Particulate, Iodine Cartridge	5F1	3/21/2001
01B89	Air Particulate, Iodine Cartridge	7D1	3/21/2001
01B90	Air Particulate, Iodine Cartridge	8S1	3/21/2001
01B91	Air Particulate, Iodine Cartridge	8S2	3/21/2001
01B92	Air Particulate, Iodine Cartridge	0S2	3/21/2001
01B93	Air Particulate, Iodine Cartridge	1S1	3/21/2001
01B96	Air Particulate, Iodine Cartridge	MT1	3/28/2001
01B97	Air Particulate, Iodine Cartridge	5F1	3/28/2001
01B98	Air Particulate, Iodine Cartridge	7D1	3/28/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01B99	Air Particulate, Iodine Cartridge	8S1	3/28/2001
01C00	Air Particulate, Iodine Cartridge	8S2	3/28/2001
01C01	Air Particulate, Iodine Cartridge	0S2	3/28/2001
01C02	Air Particulate, Iodine Cartridge	1S1	3/28/2001
01C03	Air Particulate, Iodine Cartridge	MT1	4/4/2001
01C04	Air Particulate, Iodine Cartridge	5F1	4/4/2001
01C05	Air Particulate, Iodine Cartridge	7D1	4/4/2001
01C06	Air Particulate, Iodine Cartridge	8S1	4/4/2001
01C07	Air Particulate, Iodine Cartridge	8S2	4/4/2001
01C08	Air Particulate, Iodine Cartridge	0S2	4/4/2001
01C09	Air Particulate, Iodine Cartridge	1S1	4/4/2001
01C11	Air Particulate, Iodine Cartridge	MT1	4/11/2001
01C12	Air Particulate, Iodine Cartridge	5F1	4/11/2001
01C13	Air Particulate, Iodine Cartridge	7D1	4/11/2001
01C14	Air Particulate, Iodine Cartridge	8S1	4/11/2001
01C15	Air Particulate, Iodine Cartridge	8S2	4/11/2001
01C16	Air Particulate, Iodine Cartridge	0S2	4/11/2001
01C17	Air Particulate, Iodine Cartridge	1S1	4/11/2001
01C24	Air Particulate, Iodine Cartridge	MT1	4/18/2001
01C25	Air Particulate, Iodine Cartridge	5F1	4/18/2001
01C26	Air Particulate, Iodine Cartridge	7D1	4/18/2001
01C27	Air Particulate, Iodine Cartridge	8S1	4/18/2001
01C28	Air Particulate, Iodine Cartridge	8S2	4/18/2001
01C29	Air Particulate, Iodine Cartridge	0S2	4/18/2001
01C30	Air Particulate, Iodine Cartridge	1S1	4/18/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01C32	Vegetative Greens (Broccoli)	7G1	4/23/2001
01C33	Vegetative Greens (Peas)	7C1	4/23/2001
01C35	Surface Water (Outfall)	OUT	4/24/2001
01C36	Drinking Water	5S2	4/24/2001
01C37	Drinking Water	DW1	4/24/2001
01C38	Milk	5F2	4/24/2001
01C39	Surface Water (Seawater)	DCM	4/26/2001
01C40	Surface Water (Seawater)	7C2	4/26/2001
01C41	Air Particulate, Iodine Cartridge	MT1	4/25/2001
01C42	Air Particulate, Iodine Cartridge	5F1	4/25/2001
01C43	Air Particulate, Iodine Cartridge	7D1	4/25/2001
01C44	Air Particulate, Iodine Cartridge	8S1	4/25/2001
01C45	Air Particulate, Iodine Cartridge	8S2	4/25/2001
01C46	Air Particulate, Iodine Cartridge	0S2	4/25/2001
01C47	Air Particulate, Iodine Cartridge	1S1	4/25/2001
01C60	Air Particulate, Iodine Cartridge	MT1	5/2/2001
01C61	Air Particulate, Iodine Cartridge	5F1	5/2/2001
01C62	Air Particulate, Iodine Cartridge	7D1	5/2/2001
01C63	Air Particulate, Iodine Cartridge	8S1	5/2/2001
01C64	Air Particulate, Iodine Cartridge	8S2	5/2/2001
01C65	Air Particulate, Iodine Cartridge	0S2	5/2/2001
01C66	Air Particulate, Iodine Cartridge	1S1	5/2/2001
01C77	Vegetative Greens (Broccoli)	7G1	5/7/2001
01C78	Vegetative Greens (Peas)	7C1	5/7/2001
01C80	Air Particulate, Iodine Cartridge	MT1	5/9/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01C81	Air Particulate, Iodine Cartridge	5F1	5/9/2001
01C82	Air Particulate, Iodine Cartridge	7D1	5/9/2001
01C83	Air Particulate, Iodine Cartridge	8S1	5/9/2001
01C84	Air Particulate, Iodine Cartridge	8S2	5/9/2001
01C85	Air Particulate, Iodine Cartridge	0S2	5/9/2001
01C86	Air Particulate, Iodine Cartridge	1S1	5/9/2001
01C94	Air Particulate, Iodine Cartridge	MT1	5/16/2001
01C95	Air Particulate, Iodine Cartridge	5F1	5/16/2001
01C96	Air Particulate, Iodine Cartridge	7D1	5/16/2001
01C97	Air Particulate, Iodine Cartridge	8S1	5/16/2001
01C98	Air Particulate, Iodine Cartridge	8S2	5/16/2001
01C99	Air Particulate, Iodine Cartridge	0S2	5/16/2001
01D00	Air Particulate, Iodine Cartridge	1S1	5/16/2001
01D01	Surface Water (Outfall)	OUT	5/17/2001
01D02	Drinking Water	5S2	5/17/2001
01D03	Drinking Water	DW1	5/17/2001
01D04	Milk	5F2	5/17/2001
01D09	Surface Water (Seawater)	DCM	5/24/2001
01D10	Surface Water (Seawater)	7C2	5/24/2001
01D11	Air Particulate, Iodine Cartridge	MT1	5/23/2001
01D12	Air Particulate, Iodine Cartridge	5F1	5/23/2001
01D13	Air Particulate, Iodine Cartridge	7D1	5/23/2001
01D14	Air Particulate, Iodine Cartridge	8S1	5/23/2001
01D15	Air Particulate, Iodine Cartridge	8S2	5/23/2001
01D16	Air Particulate, Iodine Cartridge	0S2	5/23/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01D17	Air Particulate, Iodine Cartridge	1S1	5/23/2001
01D21	Vegetative Greens (Radishes)	5F2	5/31/2001
01D22	Air Particulate, Iodine Cartridge	MT1	5/30/2001
01D23	Air Particulate, Iodine Cartridge	5F1	5/30/2001
01D24	Air Particulate, Iodine Cartridge	7D1	5/30/2001
01D25	Air Particulate, Iodine Cartridge	8S1	5/30/2001
01D26	Air Particulate, Iodine Cartridge	8S2	5/30/2001
01D27	Air Particulate, Iodine Cartridge	0S2	5/30/2001
01D28	Air Particulate, Iodine Cartridge	1S1	5/30/2001
01D48	Air Particulate, Iodine Cartridge	MT1	6/6/2001
01D49	Air Particulate, Iodine Cartridge	5F1	6/6/2001
01D50	Air Particulate, Iodine Cartridge	7D1	6/6/2001
01D51	Air Particulate, Iodine Cartridge	8S1	6/6/2001
01D52	Air Particulate, Iodine Cartridge	8S2	6/6/2001
01D53	Air Particulate, Iodine Cartridge	0S2	6/6/2001
01D54	Air Particulate, Iodine Cartridge	1S1	6/6/2001
01D56	Vegetative Greens (Radishes)	5F2	6/12/2001
01D57	Iridaea	DCM	6/7/2001
01D58	Iridaea	7C2	6/6/2001
01D59	Surface Water (Seawater)	DCM	6/13/2001
01D60	Surface Water (Seawater)	7C2	6/13/2001
01D61	California Mussels	DCM	6/7/2001
01D62	California Mussels	POS	6/8/2001
01D63	California Mussels	7C2	6/6/2001
01D64	Market Fish -	7D3	6/5/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01D66	Air Particulate, Iodine Cartridge	MT1	6/13/2001
01D67	Air Particulate, Iodine Cartridge	5F1	6/13/2001
01D68	Air Particulate, Iodine Cartridge	7D1	6/13/2001
01D69	Air Particulate, Iodine Cartridge	8S1	6/13/2001
01D70	Air Particulate, Iodine Cartridge	8S2	6/13/2001
01D71	Air Particulate, Iodine Cartridge	0S2	6/13/2001
01D72	Air Particulate, Iodine Cartridge	1S1	6/13/2001
01D80	Surface Water (Outfall)	OUT	6/19/2001
01D81	Drinking Water	5S2	6/19/2001
01D82	Drinking Water	DW1	6/19/2001
01D83	Milk	5F2	6/19/2001
01D84	Bull Kelp Blade	PON	6/13/2001
01D85	Bull Kelp Pneumatocyst	PON	6/13/2001
01D86	Bull Kelp Blade	POS	6/13/2001
01D87	Bull Kelp Pneumatocyst	POS	6/13/2001
01D88	Bull Kelp Blade	7C2	6/13/2001
01D89	Bull Kelp Pneumatocyst	7C2	6/13/2001
01D91	Perch	PON	6/12/2001
01D92	Rockfish	PON	6/11/2001
01D93	Perch	DCM	6/8/2001
01D94	Rockfish	DCM	6/8/2001
01D95	Perch	POS	6/8/2001
01D96	Rockfish	POS	6/8/2001
01D97	Perch	7C2	6/7/2001
01D98	Rockfish	7C2	6/7/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01E00	Air Particulate, Iodine Cartridge	MT1	6/20/2001
01E01	Air Particulate, Iodine Cartridge	5F1	6/20/2001
01E02	Air Particulate, Iodine Cartridge	7D1	6/20/2001
01E03	Air Particulate, Iodine Cartridge	8S1	6/20/2001
01E04	Air Particulate, Iodine Cartridge	8S2	6/20/2001
01E05	Air Particulate, Iodine Cartridge	0S2	6/20/2001
01E06	Air Particulate, Iodine Cartridge	1S1	6/20/2001
01E13	Giant Kelp Blade	DCM	6/13/2001
01E14	Vegetative Greens (Snow Peas)	7C1	6/26/2001
01E15	California Mussels	PON	6/22/2001
01E16	Vegetative Greens (Mixed Greens)	6C1	6/26/2001
01E17	Vegetative Greens (Cabbage)	7G1	6/27/2001
01E18	Giant Bull Kelp Pneumatocyst	DCM	6/13/2001
01E19	Air Particulate, Iodine Cartridge	MT1	6/27/2001
01E20	Air Particulate, Iodine Cartridge	5F1	6/27/2001
01E21	Air Particulate, Iodine Cartridge	7D1	6/27/2001
01E22	Air Particulate, Iodine Cartridge	8S1	6/27/2001
01E23	Air Particulate, Iodine Cartridge	8S2	6/27/2001
01E24	Air Particulate, Iodine Cartridge	0S2	6/27/2001
01E25	Air Particulate, Iodine Cartridge	1S1	6/27/2001
01E27	Air Particulate, Iodine Cartridge	MT1	7/3/2001
01E28	Air Particulate, Iodine Cartridge	5F1	7/3/2001
01E29	Air Particulate, Iodine Cartridge	7D1	7/3/2001
01E30	Air Particulate, Iodine Cartridge	8S1	7/3/2001
01E31	Air Particulate, Iodine Cartridge	8S2	7/3/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01E32	Air Particulate, Iodine Cartridge	0S2	7/3/2001
01E33	Air Particulate, Iodine Cartridge	1S1	7/3/2001
01E37	Air Particulate, Iodine Cartridge	MT1	7/11/2001
01E38	Air Particulate, Iodine Cartridge	5F1	7/11/2001
01E39	Air Particulate, Iodine Cartridge	7D1	7/11/2001
01E40	Air Particulate, Iodine Cartridge	8S1	7/11/2001
01E41	Air Particulate, Iodine Cartridge	8S2	7/11/2001
01E42	Air Particulate, Iodine Cartridge	0S2	7/11/2001
01E43	Air Particulate, Iodine Cartridge	1S1	7/11/2001
01E46	Vegetative Greens (Cabbage)	7G1	7/18/2001
01E47	Vegetative Greens (Chard)	5F2	7/18/2001
01E48	Air Particulate, Iodine Cartridge	MT1	7/18/2001
01E49	Air Particulate, Iodine Cartridge	5F1	7/18/2001
01E50	Air Particulate, Iodine Cartridge	7D1	7/18/2001
01E51	Air Particulate, Iodine Cartridge	8S1	7/18/2001
01E52	Air Particulate, Iodine Cartridge	8S2	7/18/2001
01E53	Air Particulate, Iodine Cartridge	0S2	7/18/2001
01E54	Air Particulate, Iodine Cartridge	1S1	7/18/2001
01E56	Milk	5F2	7/23/2001
01E57	California Mussels	POS	7/20/2001
01E58	California Mussels	7C2	7/19/2001
01E59	Iridaea	7C2	7/19/2001
01E76	Surface Water (Outfall)	OUT	7/25/2001
01E77	Drinking Water	5S2	7/25/2001
01E78	Drinking Water	DW1	7/25/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01E79	Surface Water (Seawater)	DCM	7/25/2001
01E80	Surface Water (Seawater)	7C2	7/25/2001
01E81	California Mussels	DCM	7/23/2001
01E82	Iridaea	DCM	7/23/2001
01E83	California Mussels	PON	7/24/2001
01E91	Air Particulate, Iodine Cartridge	MT1	7/25/2001
01E92	Air Particulate, Iodine Cartridge	5F1	7/25/2001
01E93	Air Particulate, Iodine Cartridge	7D1	7/25/2001
01E94	Air Particulate, Iodine Cartridge	8S1	7/25/2001
01E95	Air Particulate, Iodine Cartridge	8S2	7/25/2001
01E96	Air Particulate, Iodine Cartridge	0S2	7/25/2001
01E97	Air Particulate, Iodine Cartridge	1S1	7/25/2001
01F01	Vegetative Greens (Snow Peas)	7C1	7/31/2001
01F14	Air Particulate, Iodine Cartridge	MT1	8/1/2001
01F15	Air Particulate, Iodine Cartridge	5F1	8/1/2001
01F16	Air Particulate, Iodine Cartridge	7D1	8/1/2001
01F17	Air Particulate, Iodine Cartridge	8S1	8/1/2001
01F18	Air Particulate, Iodine Cartridge	8S2	8/1/2001
01F19	Air Particulate, Iodine Cartridge	0S2	8/1/2001
01F20	Air Particulate, Iodine Cartridge	1S1	8/1/2001
01F23	Vegetative Greens (Cabbage)	7G1	8/7/2001
01F24	Vegetative Greens (Squash)	5F2	8/7/2001
01F27	Air Particulate, Iodine Cartridge	MT1	8/8/2001
01F28	Air Particulate, Iodine Cartridge	5F1	8/8/2001
01F29	Air Particulate, Iodine Cartridge	7D1	8/8/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01F30	Air Particulate, Iodine Cartridge	8S1	8/8/2001
01F31	Air Particulate, Iodine Cartridge	8S2	8/8/2001
01F32	Air Particulate, Iodine Cartridge	0S2	8/8/2001
01F33	Air Particulate, Iodine Cartridge	1S1	8/8/2001
01F36	Air Particulate, Iodine Cartridge	MT1	8/15/2001
01F37	Air Particulate, Iodine Cartridge	5F1	8/15/2001
01F38	Air Particulate, Iodine Cartridge	7D1	8/15/2001
01F39	Air Particulate, Iodine Cartridge	8S1	8/15/2001
01F40	Air Particulate, Iodine Cartridge	8S2	8/15/2001
01F41	Air Particulate, Iodine Cartridge	0S2	8/15/2001
01F42	Air Particulate, Iodine Cartridge	1S1	8/15/2001
01F44	Drinking Water	5S2	8/21/2001
01F45	Drinking Water	DW1	8/21/2001
01F46	Milk	5F2	8/21/2001
01F47	Surface Water (Outfall)	OUT	8/21/2001
01F49	Surface Water (Seawater)	DCM	8/23/2001
01F50	Surface Water (Seawater)	7C2	8/23/2001
01F51	Air Particulate, Iodine Cartridge	MT1	8/22/2001
01F52	Air Particulate, Iodine Cartridge	5F1	8/22/2001
01F53	Air Particulate, Iodine Cartridge	7D1	8/22/2001
01F54	Air Particulate, Iodine Cartridge	8S1	8/22/2001
01F55	Air Particulate, Iodine Cartridge	8S2	8/22/2001
01F56	Air Particulate, Iodine Cartridge	0S2	8/22/2001
01F57	Air Particulate, Iodine Cartridge	1S1	8/22/2001
01F60	Bull Kelp Blade	PON	8/23/2001

Table B-7 (Continued)

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List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01F61	Bull Kelp Pneumatocyst	PON	8/23/2001
01F62	Giant Kelp Blade	DCM	8/23/2001
01F63	Giant Kelp Pneumatocyst	DCM	8/23/2001
01F64	Bull Kelp Blade	POS	8/23/2001
01F65	Bull Kelp Pneumatocyst	POS	8/23/2001
01F66	Bull Kelp Blade	7C2	8/23/2001
01F67	Bull Kelp Pneumatocyst	7C2	8/23/2001
01F68	Market Fish	7D3	8/28/2001
01F69	Vegetative Greens (Squash)	5F2	8/28/2001
01F70	Vegetative Greens (Lettuce)	7G1	8/28/2001
01F71	Perch	PON	8/14/2001
01F72	Rockfish	PON	8/14/2001
01F73	Perch	DCM	8/9/2001
01F74	Rockfish	DCM	8/9/2001
01F75	Perch	POS	8/8/2001
01F76	Rockfish	POS	8/8/2001
01F77	Perch	7C2	8/9/2001
01F78	Rockfish	7C2	8/9/2001
01F80	Air Particulate, Iodine Cartridge	MT1	8/29/2001
01F81	Air Particulate, Iodine Cartridge	5F1	8/29/2001
01F82	Air Particulate, Iodine Cartridge	7D1	8/29/2001
01F83	Air Particulate, Iodine Cartridge	8S1	8/29/2001
01F84	Air Particulate, Iodine Cartridge	8S2	8/29/2001
01F85	Air Particulate, Iodine Cartridge	0S2	8/29/2001
01F86	Air Particulate, Iodine Cartridge	1S1	8/29/2001

Table B-7 (Continued)

Diablo Canyon Power Plant 2001 Annual Report
List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01F89	Air Particulate, Iodine Cartridge	MT1	9/5/2001
01F90	Air Particulate, Iodine Cartridge	5F1	9/5/2001
01F91	Air Particulate, Iodine Cartridge	7D1	9/5/2001
01F92	Air Particulate, Iodine Cartridge	8S1	9/5/2001
01F93	Air Particulate, Iodine Cartridge	8S2	9/5/2001
01F94	Air Particulate, Iodine Cartridge	0S2	9/5/2001
01F95	Air Particulate, Iodine Cartridge	1S1	9/5/2001
01G00	Air Particulate, Iodine Cartridge	MT1	9/12/2001
01G01	Air Particulate, Iodine Cartridge	5F1	9/12/2001
01G02	Air Particulate, Iodine Cartridge	7D1	9/12/2001
01G03	Air Particulate, Iodine Cartridge	8S1	9/12/2001
01G04	Air Particulate, Iodine Cartridge	8S2	9/12/2001
01G05	Air Particulate, Iodine Cartridge	0S2	9/12/2001
01G06	Air Particulate, Iodine Cartridge	1S1	9/12/2001
01G08	Drinking Water	5S2	9/18/2001
01G09	Drinking Water	DW1	9/18/2001
01G10	Milk	5F2	9/18/2001
01G11	Surface Water (Outfall)	OUT	9/18/2001
01G12	Vegetative Greens (Snow Peas)	7C1	9/18/2001
01G14	Air Particulate, Iodine Cartridge	MT1	9/19/2001
01G15	Air Particulate, Iodine Cartridge	5F1	9/19/2001
01G16	Air Particulate, Iodine Cartridge	7D1	9/19/2001
01G17	Air Particulate, Iodine Cartridge	8S1	9/19/2001
01G18	Air Particulate, Iodine Cartridge	8S2	9/19/2001
01G19	Air Particulate, Iodine Cartridge	0S2	9/19/2001

Table B-7 (Continued)

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List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01G20	Air Particulate, Iodine Cartridge	1S1	9/19/2001
01G23	Surface Water (Seawater)	DCM	9/25/2001
01G24	Surface Water (Seawater)	7C2	9/25/2001
01G38	Air Particulate, Iodine Cartridge	MT1	9/26/2001
01G39	Air Particulate, Iodine Cartridge	5F1	9/26/2001
01G40	Air Particulate, Iodine Cartridge	7D1	9/26/2001
01G41	Air Particulate, Iodine Cartridge	8S1	9/26/2001
01G42	Air Particulate, Iodine Cartridge	8S2	9/26/2001
01G43	Air Particulate, Iodine Cartridge	0S2	9/26/2001
01G44	Air Particulate, Iodine Cartridge	1S1	9/26/2001
01G50	Air Particulate, Iodine Cartridge	MT1	10/3/2001
01G51	Air Particulate, Iodine Cartridge	5F1	10/3/2001
01G52	Air Particulate, Iodine Cartridge	7D1	10/3/2001
01G53	Air Particulate, Iodine Cartridge	8S1	10/3/2001
01G54	Air Particulate, Iodine Cartridge	8S2	10/3/2001
01G55	Air Particulate, Iodine Cartridge	0S2	10/3/2001
01G56	Air Particulate, Iodine Cartridge	1S1	10/3/2001
01G60	Air Particulate, Iodine Cartridge	MT1	10/10/2001
01G61	Air Particulate, Iodine Cartridge	5F1	10/10/2001
01G62	Air Particulate, Iodine Cartridge	7D1	10/10/2001
01G63	Air Particulate, Iodine Cartridge	8S1	10/10/2001
01G64	Air Particulate, Iodine Cartridge	8S2	10/10/2001
01G65	Air Particulate, Iodine Cartridge	0S2	10/10/2001
01G66	Air Particulate, Iodine Cartridge	1S1	10/10/2001
01G71	Air Particulate, Iodine Cartridge	MT1	10/17/2001

Table B-7 (Continued)

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List of Marine and Terrestrial Samples Collected and Analyzed

Sample No.	Description	Station No.	Collection Date
01G72	Air Particulate, Iodine Cartridge	5F1	10/17/2001
01G73	Air Particulate, Iodine Cartridge	7D1	10/17/2001
01G74	Air Particulate, Iodine Cartridge	8S1	10/17/2001
01G75	Air Particulate, Iodine Cartridge	8S2	10/17/2001
01G76	Air Particulate, Iodine Cartridge	0S2	10/17/2001
01G77	Air Particulate, Iodine Cartridge	1S1	10/17/2001
01G84	Drinking Water	5S2	10/22/2001
01G85	Drinking Water	DW1	10/22/2001
01G86	Milk	5F2	10/22/2001
01G87	Surface Water (Outfall)	OUT	10/22/2001
01G88	Vegetative Greens (Tomato)	7C1	10/22/2001
01G89	Surface Water (Seawater)	DCM	10/23/2001
01G90	Surface Water (Seawater)	7C2	10/23/2001
01G91	Vegetative Greens (Mixed Greens)	6C1	10/19/2001
01G93	Air Particulate, Iodine Cartridge	MT1	10/24/2001
01G94	Air Particulate, Iodine Cartridge	5F1	10/24/2001
01G95	Air Particulate, Iodine Cartridge	7D1	10/24/2001
01G96	Air Particulate, Iodine Cartridge	8S1	10/24/2001
01G97	Air Particulate, Iodine Cartridge	8S2	10/24/2001
01G98	Air Particulate, Iodine Cartridge	0S2	10/24/2001
01G99	Air Particulate, Iodine Cartridge	1S1	10/24/2001
01H02	Vegetative Greens (Snow Peas)	7C1	10/30/2001
01H03	Bull Kelp Blade	PON	10/23/2001
01H04	Bull Kelp Pneumatocyst	PON	10/23/2001
01H05	Giant Kelp Blade	DCM	10/23/2001

Table B-7 (Continued)

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Sample No.	Description	Station No.	Collection Date
01H06	Giant Kelp Pneumatocyst	DCM	10/23/2001
01H07	Bull Kelp Blade	POS	10/23/2001
01H08	Bull Kelp Pneumatocyst	POS	10/23/2001
01H09	Bull Kelp Blade	7C2	10/23/2001
01H10	Bull Kelp Pneumatocyst	7C2	10/23/2001
01H11	Vegetative Greens (Bell Pepper)	7G1	10/31/2001
01H31	Air Particulate, Iodine Cartridge	MT1	10/31/2001
01H32	Air Particulate, Iodine Cartridge	5F1	10/31/2001
01H33	Air Particulate, Iodine Cartridge	7D1	10/31/2001
01H34	Air Particulate, Iodine Cartridge	8S1	10/31/2001
01H35	Air Particulate, Iodine Cartridge	8S2	10/31/2001
01H36	Air Particulate, Iodine Cartridge	0S2	10/31/2001
01H37	Air Particulate, Iodine Cartridge	1S1	10/31/2001
01H46	Air Particulate, Iodine Cartridge	MT1	11/7/2001
01H47	Air Particulate, Iodine Cartridge	5F1	11/7/2001
01H48	Air Particulate, Iodine Cartridge	7D1	11/7/2001
01H49	Air Particulate, Iodine Cartridge	8S1	11/7/2001
01H50	Air Particulate, Iodine Cartridge	8S2	11/7/2001
01H51	Air Particulate, Iodine Cartridge	0S2	11/7/2001
01H52	Air Particulate, Iodine Cartridge	1S1	11/7/2001
01H55	Air Particulate, Iodine Cartridge	MT1	11/14/2001
01H56	Air Particulate, Iodine Cartridge	5F1	11/14/2001
01H57	Air Particulate, Iodine Cartridge	7D1	11/14/2001
01H58	Air Particulate, Iodine Cartridge	8S1	11/14/2001
01H59	Air Particulate, Iodine Cartridge	8S2	11/14/2001

Table B-7 (Continued)

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Sample No.	Description	Station No.	Collection Date
01H60	Air Particulate, Iodine Cartridge	0S2	11/14/2001
01H61	Air Particulate, Iodine Cartridge	1S1	11/14/2001
01H62	Market Fish - Rock Cod	7D3	11/14/2001
01H63	Vegetative Greens - Bell Peppers	7G1	11/14/2001
01H64	Vegetative Greens - Snow Peas	7C1	11/14/2001
01H71	Drinking Water	5S2	11/26/2001
01H72	Drinking Water	DW1	11/26/2001
01H73	Milk	5F2	11/26/2001
01H74	Surface Water (Outfall)	OUT	11/26/2001
01H75	Vegetative Greens (Tomato)	5F2	11/26/2001
01H76	Air Particulate, Iodine Cartridge	MT1	11/21/2001
01H77	Air Particulate, Iodine Cartridge	5F1	11/21/2001
01H78	Air Particulate, Iodine Cartridge	7D1	11/21/2001
01H79	Air Particulate, Iodine Cartridge	8S1	11/21/2001
01H80	Air Particulate, Iodine Cartridge	8S2	11/21/2001
01H81	Air Particulate, Iodine Cartridge	0S2	11/21/2001
01H82	Air Particulate, Iodine Cartridge	1S1	11/21/2001
01H84	Surface Water (Seawater)	DCM	11/28/2001
01H85	Surface Water (Seawater)	7C2	11/28/2001
01H90	Air Particulate, Iodine Cartridge	MT1	11/28/2001
01H91	Air Particulate, Iodine Cartridge	5F1	11/28/2001
01H92	Air Particulate, Iodine Cartridge	7D1	11/28/2001
01H93	Air Particulate, Iodine Cartridge	8S1	11/28/2001
01H94	Air Particulate, Iodine Cartridge	8S2	11/28/2001
01H95	Air Particulate, Iodine Cartridge	0S2	11/28/2001

Table B-7 (Continued)

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Sample No.	Description	Station No.	Collection Date
01H96	Air Particulate, Iodine Cartridge	1S1	11/28/2001
01H99	California Mussels	DCM	11/28/2001
01I00	Iridaea	DCM	11/28/2001
01I01	California Mussels	POS	11/28/2001
01I07	Air Particulate, Iodine Cartridge	MT1	12/5/2001
01I08	Air Particulate, Iodine Cartridge	5F1	12/5/2001
01I09	Air Particulate, Iodine Cartridge	7D1	12/5/2001
01I10	Air Particulate, Iodine Cartridge	8S1	12/5/2001
01I11	Air Particulate, Iodine Cartridge	8S2	12/5/2001
01I12	Air Particulate, Iodine Cartridge	0S2	12/5/2001
01I13	Air Particulate, Iodine Cartridge	1S1	12/5/2001
01I15	Vegetative Greens (Peas)	7C1	12/10/2001
01I16	Vegetative Greens (Lettuce Variety)	5F2	12/10/2001
01I17	California Mussels	7C2	12/11/2001
01I18	Intertidal Algae	7C2	12/11/2001
01I19	Air Particulate, Iodine Cartridge	MT1	12/12/2001
01I20	Air Particulate, Iodine Cartridge	5F1	12/12/2001
01I21	Air Particulate, Iodine Cartridge	7D1	12/12/2001
01I22	Air Particulate, Iodine Cartridge	8S1	12/12/2001
01I23	Air Particulate, Iodine Cartridge	8S2	12/12/2001
01I24	Air Particulate, Iodine Cartridge	0S2	12/12/2001
01I25	Air Particulate, Iodine Cartridge	1S1	12/12/2001
01I54	Surface Water (Seawater)	DCM	12/17/2001
01I55	Surface Water (Seawater)	7C2	12/17/2001
01I56	Drinking Water	DW1	12/17/2001

Table B-7 (Continued)

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Sample No.	Description	Station No.	Collection Date
01I57	Milk	5F2	12/17/2001
01I59	Vegetative Greens (Salad Greens)	6C1	12/19/2001
01I60	Drinking Water	5S2	12/17/2001
01I61	Surface Water (Outfall)	OUT	12/17/2001
01I62	Air Particulate, Iodine Cartridge	MT1	12/19/2001
01I63	Air Particulate, Iodine Cartridge	5F1	12/19/2001
01I64	Air Particulate, Iodine Cartridge	7D1	12/19/2001
01I65	Air Particulate, Iodine Cartridge	8S1	12/19/2001
01I66	Air Particulate, Iodine Cartridge	8S2	12/19/2001
01I67	Air Particulate, Iodine Cartridge	0S2	12/19/2001
01I68	Air Particulate, Iodine Cartridge	1S1	12/19/2001
01I69	Air Particulate, Iodine Cartridge	MT1	12/26/2001
01I70	Air Particulate, Iodine Cartridge	5F1	12/26/2001
01I71	Air Particulate, Iodine Cartridge	7D1	12/26/2001
01I72	Air Particulate, Iodine Cartridge	8S1	12/26/2001
01I73	Air Particulate, Iodine Cartridge	8S2	12/26/2001
01I74	Air Particulate, Iodine Cartridge	0S2	12/26/2001
01I75	Air Particulate, Iodine Cartridge	1S1	12/26/2001
01I82	Perch	PON	10/7/2001
01I83	Rockfish	PON	10/7/2001
01I84	Perch	DCM	10/31/2001
01I85	Rockfish	DCM	10/31/2001
01I86	Perch	POS	11/28/2001
01I87	Rockfish	POS	11/28/2001
01I88	Perch	7C2	12/17/2001

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Sample No.	Description	Station No.	Collection Date
01I89	Rockfish	7C2	12/17/2001
01I90	Sediment	DCM	10/31/2001
01I91	Sediment	7C2	12/17/2001
01I92	Air Particulate, Iodine Cartridge	MT1	1/2/2002
01I93	Air Particulate, Iodine Cartridge	5F1	1/2/2002
01I94	Air Particulate, Iodine Cartridge	7D1	1/2/2002
01I95	Air Particulate, Iodine Cartridge	8S1	1/2/2002
01I96	Air Particulate, Iodine Cartridge	8S2	1/2/2002
01I97	Air Particulate, Iodine Cartridge	0S2	1/2/2002
01I98	Air Particulate, Iodine Cartridge	1S1	1/2/2002