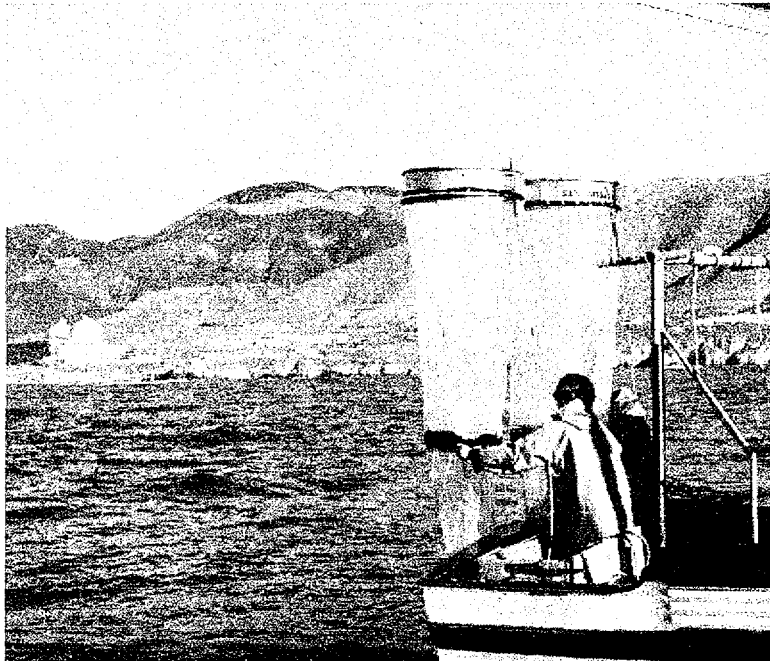


Diablo Canyon Power Plant

316(b) Demonstration Report



Plankton sampling offshore of DCPD

March 1, 2000

Document No. E9-055.0

Prepared for:

Pacific Gas and Electric Company
77 Beale Street
San Francisco, CA 94105

Prepared by:





**Pacific Gas and
Electric Company**

David H. Oatley
Vice President - Diablo Canyon
Operations and Plant Manager

Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

805.545.6000

March 1, 2000

PG&E Letter DCL-2000-515

Mr. Brad Mahanes (2243A)
U. S. Environmental Protection Agency
Office of Enforcement and Compliance Assurance
401 M Street, S.W.
Washington, D.C. 20460

Certified Mailing #Z 265-478-758

Ms. Robin Stuber
U.S. Environmental Protection Agency, Region 9
CWA Standards and Permit Office, Water Division
75 Hawthorne Street
San Francisco, CA 94105

Certified Mailing #Z265-477-912

Re: PG&E Diablo Canyon - Clean Water Act Section 308 Request Submittal -

Diablo Canyon 316(b) Demonstration Report

Dear Ms. Stuber and Mr. Mahanes:

Pursuant to Alexis Strauss' letter dated September 22, 1999, Pacific Gas & Electric (PG&E) is hereby submitting the Diablo Canyon Power Plant (DCPP) 316(b) Demonstration Report. The DCPP 316(b) study was initiated in October, 1996 with sampling completed in June, 1999. The sampling design and methods of the study, selection of target taxa, and formulation of the three assessment methods (Tenora 1997a; Tenora 1997b; Tenora 1998a) were overseen by the Entrainment Technical Work Group (ETWG) established by the Central Coast Regional Water Quality Control Board (CCRWQCB).

The enclosed DCPP 316(b) Demonstration report follows two draft preliminary assessment reports dated August 2nd, 1999, and December 10th, 1999. The purpose of these preliminary reports was to provide the CCRWQCB, Environmental Protection Agency (EPA), and the ETWG an opportunity to review a comprehensive application of the three assessment approaches (adult equivalent loss, fecundity hindcasting, and proportional entrainment) on the selected target species. These draft reports contained the life history information, assumptions, and values for each target species, as well as the methodology to be used in applying the three assessment approaches. They were provided to the ETWG with the goal of obtaining agreement on the information, methodology and assumptions that would be applied in this demonstration report.



PG&E Letter DCL-2000-515
Mr. Mahanes and Ms. Stuber
March 1, 2000
Page 2

Additionally, included with this submittal is a CD ROM which contains the following information:

- Appendix G
- Appendix H
- Appendix I
- Current Meter Data
- Entrainment and Grid Length Data
- Entrainment and Grid Survey Data
- Adjusted Inshore Volume
- Intake Cove Plankton Tow Data
- Power Plant Intake Flow
- Wind Data

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Anne Jackson of my staff at (415) 973-6523.

Sincerely,

R.A. Walter for
David H. Oatley

Enclosure

2000515/amj/kmo

cc w/ attachments:

Resident Inspector, David Proulx (includes CD)
U.S. Nuclear Regulatory Commission
Diablo Canyon Power Plant 104/5

Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064



PG&E Letter DCL-2000-515
Mr. Mahanes and Ms. Stuber
March 1, 2000
Page 3

cc w/ attachments (con't):

Steven D. Bloom
NRC, Project Manager
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

✓ Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Chris Ehrler
TENERA
P.O. Box 400
Avila Beach, CA 93424 (Hand Delivery)

John Steinbeck
TENERA
P.O. Box 400
Avila Beach, CA 93424 (Hand Delivery)

Dave Mayer
TENERA
One Market, Spear Tower, Suite 1850
San Francisco, CA 94105-1018

Cal Gillies
PG&E
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424 (Hand Delivery)

Anne Jackson (includes 2 CD's)
PG&E
P.O. Box 770000
San Francisco, CA 94177 (3 copies - Company Mail)

Pat Eckhardt
PG&E
P.O. Box 770000
San Francisco, CA 94177 (Company Mail)

Kathleen Jones (includes CD)
PG&E
P.O. Box 770000
San Francisco, CA 94177 (3 copies - Company Mail)



PG&E Letter DCL-2000-515
Mr. Mahanes and Ms. Stuber
March 1, 2000
Page 4

cc w/o attachments:

Mr. Roger Briggs, Executive Officer
Central Coast Regional Water Quality Control Board
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-3147

Jennifer Soloway
State Water Resource Control Board
Office of the Chief Counsel
901 "P" Street
Sacramento, CA 95812-0100

Michael Thomas
Central Coast Regional Water Quality Control Board
81 Higuera Street
San Luis Obispo, CA 93401-3147 (Hand Delivery)

Laurie Kermish
Environmental Protection Agency, Region IX
Office of the Regional Counsel
75 Hawthorne Street
San Francisco, CA 94105-3901

Alexis Strauss
Environmental Protection Agency
CWA Standards & Permits Office
75 Hawthorne Street
San Francisco, CA 94105-3901

Daniel Meer
Environmental Protection Agency
Chief of Clean Water
CWA Compliance Office, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Gregory Rueger
PG&E
P.O. Box 770000
San Francisco, CA 94177 (Company Mail)



**Pacific Gas and
Electric Company**

David H. Oatley
Vice President - Diablo Canyon
Operations and Plant Manager

Diablo Canyon Power Plant
PO Box 56
Avila Beach, CA 93424

805 545 6000

March 1, 2000

PG&E Letter DCL-2000-514

Mr. Roger Briggs, Executive Officer
Central Coast Regional Water Quality Control Board
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-3147

Re: PG&E Diablo Canyon Submittal -

Diablo Canyon Power Plant - 316(b) Demonstration Report

Dear Mr. Briggs:

In accordance with your letter dated July 26, 1999, Pacific Gas & Electric (PG&E) is hereby submitting the Diablo Canyon Power Plant (DCPP) 316(b) Demonstration Report. The DCPP 316(b) study was initiated in October, 1996 with sampling completed in June, 1999. The sampling design and methods of the study, selection of target taxa, and formulation of the three assessment methods (Tenera 1997a; Tenera 1997b; Tenera 1998a) were overseen by the Entrainment Technical Work Group (ETWG) established by the Central Coast Regional Water Quality Control Board (CCRWQCB).

The enclosed DCPP 316(b) Demonstration report follows two draft preliminary assessment reports dated August 2nd, 1999, and December 10th, 1999. The purpose of these preliminary reports was to provide the CCRWQCB, Environmental Protection Agency (EPA), and the ETWG an opportunity to review a comprehensive application of the three assessment approaches (adult equivalent loss, fecundity hindcasting, and proportional entrainment) on the selected target species. These draft reports contained the life history information, assumptions, and values for each target species, as well as the methodology to be used in applying the three assessment approaches. They were provided to the ETWG with the goal of obtaining agreement on the information, methodology and assumptions that would be applied in this demonstration report.

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PG&E Letter DCL-2000-514

Mr. Briggs

March 1, 2000

Page 2

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Anne Jackson of my staff at (415) 973-6523.

Sincerely,

R.A. Walter for
David H. Oatley

Enclosure

2000515/amj/kmo

cc w/ attachments:

Michael Thomas (includes CD)
Central Coast Regional Water Quality Control Board
81 Higuera Street
San Luis Obispo, CA 93401-3147 (Hand Delivery)

cc w/o attachments:

Resident Inspector, David Proulx (includes CD)
U.S. Nuclear Regulatory Commission
Diablo Canyon Power Plant 104/5

Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Steven D. Bloom
NRC, Project Manager
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738
PG&E Letter DCL-2000-514



PG&E Letter DCL-2000-514
Mr. Briggs
March 1, 2000
Page 3

cc: w/o attachment (con't.)

✓ Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Jennifer Soloway
State Water Resource Control Board
Office of the Chief Counsel
901 "P" Street
Sacramento, CA 95812-0100

Laurie Kermish
Environmental Protection Agency, Region IX
Office of the Regional Counsel
75 Hawthorne Street
San Francisco, CA 94105-3901

Alexis Strauss
Environmental Protection Agency
CWA Standards & Permits Office
75 Hawthorne Street
San Francisco, CA 94105-3901

Brad Mahanes
U. S. EPA
Office of Enforcement & Compliance
Assurance
401 M Street, S.W.
Washington, DC 20460

Daniel Meer
Environmental Protection Agency
Chief of Clean Water
CWA Compliance Office, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Robyn Stuber
U.S. Environmental Protection Agency
CWA Standards & Permits Office,
Water Division
75 Hawthorne Street
San Francisco, CA 94105

Dave Mayer
TENERA
One Market, Spear Tower Suite 1850
San Francisco, CA 94105-1018



PG&E Letter DCL-2000-514
Mr. Briggs
March 1, 2000
Page 4

cc: w/o attachment (con't.)

Chris Ehrlar
TENERA
P.O. Box 400
Avila Beach, CA 93424 (Hand Delivery)

John Steinbeck
TENERA
P.O. Box 400
Avila Beach, CA 93424 (Hand Delivery)

Gregory Rueger
PG&E
P.O. Box 770000
San Francisco, CA 94177

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PG&E
Diablo Canyon Power Plant
P.O. Box 56
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PG&E
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