



November 1, 2016

PG&E Letter DCL-16-113

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

10 CFR 50.36a(a)(2)

Docket No. 50-275, OL-DPR-80
Docket No. 50-323, OL-DPR-82
Diablo Canyon Units 1 and 2

Corrections to the 2014 and 2015 Annual Radioactive Effluent Release Reports

- References:
1. PG&E Letter DCL-15-053, "2014 Annual Radioactive Effluent Release Report," dated April 29, 2015. (Accession Number ML15133A141)
 2. PG&E Letter DCL-16-054, "2015 Annual Radioactive Effluent Release Report," dated April 27, 2016. (Accession Number ML16132A253)

Dear Commissioners and Staff:

Pacific Gas and Electric Company (PG&E) submits an Annual Radioactive Effluent Release Report (ARERR) in accordance with 10 CFR 50.36a(a)(2) and Section 5.6.3 of the Diablo Canyon Power Plant (DCPP) Technical Specifications.

Recently, it was identified that previous reports listed shipments from processors to licensed radioactive disposal sites, but have not included the shipments to radioactive waste processors as required by Regulatory Guide 1.21, Revision 1. As part of the corrective actions, DCPP is submitting an update to Section VI for the most recent 2014 (Reference 1) and 2015 (Reference 2) ARERRs.

Enclosures 1 and 2 include updated Section VI, Solid Radwaste Shipments, for the 2014 and 2015 ARERRs, respectively.

PG&E makes no new or revised regulatory commitments (as defined by NEI 99-04) in this letter.

If you have any questions, please contact Mr. Tim Irving at (805) 545-3015.



Sincerely,

James M. Welsch
Vice President, Nuclear Generation

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Enclosures

cc: Diablo Distribution
cc/encl: Penny Borenstein, San Luis Obispo County Health Officer
Kenneth A. Harris Jr., Executive Officer, CCRWQCB
Kriss M. Kennedy, NRC Region IV Administrator
Bernice E. Minga, INPO
Christopher W. Newport, NRC Senior Resident Inspector
Gonzalo Perez, Branch Chief, California Department of Public Health
Balwant K. Singal, NRC Senior Project Manager

Updated Section VI, "Solid Radwaste Shipments"
2014 Annual Radioactive Effluent Release Report

VI. Solid Radwaste Shipments

Solid Waste and Irradiated Fuel Shipment

A. Solid Waste Shipped Off-site for Burial or Disposal (Not irradiated fuel)

1. Type of Waste	Unit	12 Month Period	Est. Total Error, %
a. Spent Resins, Filter Sludges, Evaporator Bottoms, etc.	m ³ Ci	7.93E+00 1.26E+02	9.00E+0
b. Dry Compressible Waste, Contaminated Equipment, etc.	m ³ Ci	2.66E+02 6.50E-01	9.00E+0
c. Irradiated Components, Control Rods, etc.	m ³ Ci	0.00E+0 0.00E+0	0.00E+0
d. Other	m ³ Ci	0.00E+0 0.00E+0	0.00E+0

2. Estimate of Major Nuclide Composition (by type of waste)

a.	Ni-63	%	4.31E+01
	Co-60	%	2.40E+01
	Fe-55	%	2.01E+01
	C-14	%	7.05E+00
	H-3	%	9.17E-01
b.	Fe-55	%	3.16E+01
	Co-60	%	2.39E+01
	Ni-63	%	1.51E+01
	Cr-51	%	5.08E+00
	Nb-95	%	2.95E+00
c.	Not Applicable	%	N/A
d.	Not Applicable	%	N/A

Solid Waste and Irradiated Fuel Shipment (Continued)

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
7	Truck	Toxco Oak Ridge, Tn
2	Truck	Energy Solutions Oak Ridge, Tn
3	Truck	Andrew, TX

4. Supplemental Information Required by ODCM (former TS 6.9.1.6)

Number of outbound Shipments	Shipping Type	10 CFR 61 Waste class	Solidification Agent
2	SCO II	NA	None
7	LSA II	NA	None
1	IP2-LSA II	C	Cement
2	Type B	C	Polymer

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

Updated Section VI, "Solid Radwaste Shipments"
2015 Annual Radioactive Effluent Release Report

VI. Solid Radwaste Shipments

A. Solid Waste and Irradiated Fuel Shipment

Shipped Off-site for Burial or Disposal (Not irradiated fuel)

1. Type of Waste	Unit	12 Month Period	Est. Total Error, %
a. Spent Resins, Filter Sludges, Evaporator Bottoms, etc.	m ³ Ci	1.30E+01 1.13E+02	9.0
b. Dry Compressible Waste, Contaminated Equipment, etc.	m ³ Ci	1.94E+02 1.28E-00	9.0
c. Irradiated Components, Control Rods, etc.	m ³ Ci	N/A (none shipped)	N/A
d. Other	m ³ Ci	N/A (none shipped)	N/A

2. Estimate of Major Nuclide Composition (by type of waste)

a.	Ni-63	60.1	%
	Co-60	27.1	%
	Fe-55	8.33	%
	C-14	1.20	%
	H-3	0.85	%
	Cs-134	0.59	%
	Cs-137	0.60	%
	Mn-54	0.48	%
b.	Fe-55	31.6	%
	H-3	26.9	%
	Co-60	16.0	%
	Ni-63	11.8	%
	Cs-137	3.88	%
	Cr-51	2.18	%
	Co-58	1.68	%
	C-14	1.17	%
	Nb-95	0.68	%
	Pu-241	0.59	%
	Mn-54	0.52	%
	c.	Not Applicable	%
d.	Not Applicable	%	N/A

A. Solid Waste and Irradiated Fuel Shipment (continued)

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
1	Truck	Babcock Oak Ridge, Tn
2	Truck	Energy Solutions Oak Ridge, Tn
4	Truck	Omega Oak Ridge, Tn
1	Truck	Toxco Oak Ridge, Tn
1	Truck	Clive, UT
2	Truck	Andrew, TX

4. Supplemental Information Required by ODCM (former TS 6.9.1.6)

Number of Outbound Shipments	Shipping Type	10 CFR 61 Waste Class	Solidification Agent
1	SCO II	NA	None
6	LSA II	NA	None
1	Type A- LSA II	NA	None
1	Type A-LSA II	A	None
2	Type B	B	Polymer

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A