



Eric P. Nelson
Director
Nuclear Decommissioning

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

Phone: 805.545.4777
Email: Eric.Nelson2@pge.com

PG&E Letter HBL-21-012

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

Docket No. 50-133, OL-DPR-7
Humboldt Bay Power Plant, Unit 3
Errata for Humboldt Bay Power Plant 2020 Annual Radioactive Effluent Release Report

References:

1. PG&E Letter HBL-21-004, Annual Radioactive Effluent Release Report for 2020, dated March 30, 2021 (ML21089A367)

Dear Commissioners and Staff:

In Reference 1, Pacific Gas and Electric Company (PG&E) submitted the Humboldt Bay Power Plant (HBPP) Annual Radioactive Effluent Release Report (ARERR) covering the period from January 1 through December 31, 2020. Subsequent to the submittal, PG&E received final burial information from a waste processor for calendar year 2020. The Enclosure to this letter provides an updated version of Table 5, Solid Waste and Irradiated Fuel Shipments, of Reference 1. The table has been updated to reflect this additional final disposition data from the processor for 2020.

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

Please contact Mr. Philippe Soenen, at (805) 459-3701, with any questions about this letter.

Sincerely,

Eric P. Nelson

July 28, 2021

Date

Enclosure

cc: HBPP Humboldt Distribution
cc/enc: Scott A. Morris, NRC Region IV Administrator
Amy M. Snyder, NRC Reactor Decommissioning Branch Project Manager

**Humboldt Bay Power Plant
Errata for 2020 Annual Radioactive Effluent Release Report**

TABLE 5

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite For Burial Or Disposal

1. Type of Waste	Unit	12 Month Period	Estimated Total Error %
a. Spent resins, filter sludges, evaporator bottoms, etc.	There were no spent resins, filter sludges, evaporator bottoms, etc. shipments during this reporting period.		
b. Dry compressible waste, soils, contaminated equipment, etc. ⁽²⁾	Cubic Meter	250.6	1.00E1
	Ci	0.001	5.60E1
c. Irradiated components, control rods, etc.	There were no irradiated components, control rods, etc. shipments during this reporting period.		
d. Other (processed Waste from HBPP via processor to burial) ⁽³⁾	Cubic Meter	0.085	1.00E1
	Ci	4.44E-05	5.60E1

2. Estimate of major nuclide composition (by type of waste)	Unit	Nuclide	12 Month Period
a. Spent resins, filter sludges, evaporator bottoms, etc.	There were no spent resins, filter sludges, evaporator bottoms, etc. shipments during this reporting period.		
b. Dry compressible waste, soils, contaminated equipment, etc. ⁽¹⁾	%	H-3	42.0
	%	C-14	2.24
	%	Fe-55	1.63
	%	Co-60	5.24
	%	Ni-63	42.0
	%	Cs-137	6.8

TABLE 5 – Continued

2. Estimate of major nuclide composition (by type of waste)	Unit	Nuclide	12 Month Period
c. Irradiated components, control rods, etc.	There were no irradiated components, control rods, etc. shipments during this reporting period.		
d. Other (processed waste) ⁽¹⁾⁽³⁾	%	H-3	1.45
	%	Co-60	0.24
	%	Sr-90	59.2
	%	Tc-99	0.10
	%	Cd-109	0.53
	%	Cs-137	36.1
	%	Am-241	2.30

3.a. Solid waste disposition from HBPP	Number of Shipments	Mode of Transportation	Destination
	13 ⁽²⁾	Truck – NCF	US Ecology
3.b. Solid waste disposition via processor to disposal ⁽³⁾	1	Truck-Interstate Ventures	Toxco to Clive
B.1 Irradiated fuel shipments	None	N/A	N/A

Table Notes:

¹ Radionuclides contributing less than 0.1 percent to the total activity are not listed in Table 5.2.b or 5.2.d. The value for I-129 is associated with propagation of the lower limit of detection (LLD), a requirement for reporting in waste manifests and was not identified by sample analysis.

² Thirteen shipments were made to US Ecology under a 10 CFR 20.2002 exemption.

³ 2020 ERRATA- Processor final disposition information received after submittal of 2020 HBPP Annual Radioactive Effluent Release Report (ARERR).