

August 14, 2007

Mr. Emilio Garcia
U.S. Nuclear Regulatory Commission
R-IV/DNMS/FCDB/N
Suite 400
611 Ryan Plaza Drive
Arlington, TX 76011

**SUBJECT: REVISION TO ANALYTICAL RESULTS FOR THREE SOIL SAMPLES
ASSOCIATED WITH THE RANCHO SECO NUCLEAR GENERATING
STATION, HERALD, CALIFORNIA
(INSPECTION REPORT #005000312/2007003) [RFTA NO. 06-003]**

Dear Mr. Garcia:

The Oak Ridge Institute for Science and Education (ORISE) received three soil samples associated with the Rancho Seco Nuclear Generating Station in Herald, California on June 28, 2007. At your request, the soil samples were analyzed by gamma spectroscopy (GS) for cobalt-60 (Co-60), cesium-137 (Cs-137), and Americium-241 (Am-241). The soil sample identifications are listed in Table 1 and the GS data are presented in Table 2. The pertinent procedure references are provided in the tables.

ORISE's Quality Control (QC) requirements were met for these analyses. The QC files are available for your review upon request.

In the original letter report dated July 12, 2007, pCi/L was used as the reporting units for soil sample concentrations in Table 2. The correct reporting units of pCi/g have been now been inserted into Table 2. We apologize for any inconvenience this reporting error may have caused.

My contact information is listed below. You may also contact Wade Ivey at 865.576.9184 with any questions or comments.

Sincerely,



Dale Condra, Manager
Laboratory

RDC/WPI:ar

Enclosures

c: T. Carter, NRC/FSME/DWMEP 7J18 E. Abelquist, ORISE
E. Knox-Davin, NRC/FSME/TWFFN 8A23 S. Roberts, ORISE
File 1695

Distribution approval and concurrence:	Initials
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TABLE 1
SAMPLE IDENTIFICATIONS
AND COLLECTION DATA
RANCHO SECO NUCLEAR GENERATING STATION
HERALD, CALIFORNIA

ORISE Sample ID	NRC Region IV Sample ID	Collection Date	Collection Time PDT
1695S0008	NRC-1	6/27/2007	12:22
1695S0009	NRC-2	6/27/2007	13:30
1695S0010	F8991091S00S2SS	6/26/2007	6:56

TABLE 2
CONCENTRATIONS OF SELECTED GAMMA EMITTING RADIONUCLIDES
IN SOIL SAMPLES
BY GAMMA SPECTROSCOPY, CP1, REVISION 15
RANCHO SECO NUCLEAR GENERATING STATION
HERALD, CALIFORNIA

ORISE Sample ID	NRC Region IV Sample ID	Radionuclide Concentrations (pCi/g)														
		Co-60				Cs-137				Am-241						
1695S0008	NRC-1	0.00 ^a	±	0.02 ^b	,	0.03 ^c	0.02	±	0.02	,	0.02	0.02	±	0.03	,	0.04
1695S0009	NRC-2	0.57	±	0.08	,	0.05	41.8	±	1.4	,	0.07	0.00	±	0.09	,	0.13
1695S0010	F8991091S00S2SS	2.61	±	0.12	,	0.04	18.05	±	0.60	,	0.05	0.07	±	0.06	,	0.06

^aZero values are due to rounding.

^bUncertainties represent the 95% confidence level, based on total propagated uncertainties.

^cMDCs are after the comma.