



May 15, 2017

Ms. Rachel Browder
U.S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011

**SUBJECT: ORISE CONTRACT NO. DE-SC0014664
LETTER REPORT FOR ANALYTICAL RESULTS FOR THREE SOIL
SAMPLES ASSOCIATED WITH THE SAN ONOFRE NUCLEAR
GENERATING STATION IN SAN CLEMENTE, CALIFORNIA
[INSPECTION REPORT NO. 05000361/2017-002 & 05000362/2017-002]
[DOCKET NO. 50-361 & 50-362](RFTA NO. 17-001)
DCN: 5267-LR-07-0; SDG 12678-6**

Dear Ms. Browder:

The Oak Ridge Institute for Science and Education (ORISE) is pleased to provide the enclosed data package for three soil samples received on April 7, 2017 from the San Onofre Nuclear Generating Station in San Clemente, California. The samples were received in good condition. The samples were analyzed by gamma spectroscopy for Cs-137 and Co-60. The analytical data, along with the procedure reference, are presented in the attached report.

Quality Control (QC) requirements were met for this analysis. The QC files are available for your review upon request.

Please feel free to contact me at 865.576.9184 or Forrest Smith at 865.574.9802 with any questions or comments.

Sincerely,

Wade Ivey
Manager Laboratory
ORAU

WPI:lw

Enclosures

Electronic distribution: T. Carter, NRC S. Roberts, ORAU T. Vitkus, ORAU
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File code: 5267; Lab code: 12678

Distribution approval and concurrence:	Initials
Quality Review	W
Technical Review	ENB

Gamma Spectrometry Summary Results By Analyte



Report Date: May 15, 2017

Analyte:	Co-60	SOP (Rev. #)	CP1 (21)
Project Name:	San Onofre Nuclear Generating Station	Energy Signature:	1332.49 (KeV)
Project # :	201212678	SDG # :	201212678-6

Client Sample ID:	Lab Sample ID:	Result	TPU (2s)	MDC	Units	Qualifier Flag	Batch #
A1501 303F1 LA3S1 L04FN CIPWL 00008	12678S0006	-0.014	0.020	0.038	pCi/g	U	GS0475
	12678S0006Dup	0.003	0.018	0.039	pCi/g	U	GS0475
A1501 303F1 LA3S1 L04FN EXCAV 00005	12678S0007	-0.005	0.018	0.034	pCi/g	U	GS0475
A1501 303F1 LA3S1 L04FN SOLWL 00007	12678S0008	-0.010	0.018	0.036	pCi/g	U	GS0475

Electronically Validated By:
William Smith- 5/11/2017 12:19

Electronically Approved By:

Wade Ivey 5/15/2017 10:20

Qualifier Flags:
U = Analyte not detected (< MDC)

TPU = Total Propagated Uncertainty
MDC = Minimum Detectable Concentration

Gamma Spectrometry Summary Results By Analyte



Report Date: May 15, 2017

Analyte:	Cs-137	SOP (Rev. #)	CP1 (21)
Project Name:	San Onofre Nuclear Generating Station	Energy Signature:	661.66 (KeV)
Project # :	201212678	SDG # :	201212678-6

Client Sample ID:	Lab Sample ID:	Result	TPU (2s)	MDC	Units	Qualifier Flag	Batch #
A1501 303F1 LA3S1 L04FN CIPWL 00008	12678S0006	-0.001	0.019	0.040	pCi/g	U	GS0475
	12678S0006Dup	-0.001	0.016	0.035	pCi/g	U	GS0475
A1501 303F1 LA3S1 L04FN EXCAV 00005	12678S0007	-0.006	0.010	0.028	pCi/g	U	GS0475
A1501 303F1 LA3S1 L04FN SOLWL 00007	12678S0008	-0.009	0.015	0.031	pCi/g	U	GS0475

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William Smith- 5/11/2017 12:19

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Wade Ivey 5/15/2017 10:20

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