



**OAK RIDGE INSTITUTE FOR  
SCIENCE AND EDUCATION**

January 12, 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 ONE SOIL SAMPLE  
ASSOCIATED WITH THE SAN ONOFRE NUCLEAR GENERATING  
STATION IN SAN CLEMENTE, CALIFORNIA  
[INSPECTION REPORT NO. 05000361/2017-001]  
[DOCKET NO. 50-361 & 50-362](RFTA NO. 17-001)  
DCN: 5267-LR-02-0**

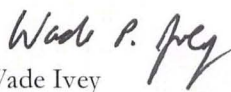
Dear Ms. Browder:

The Oak Ridge Institute for Science and Education (ORISE) is pleased to provide the enclosed data package for one soil sample received on December 19, 2016, from the San Onofre Nuclear Generating Station in San Clemente, California. The sample was received in good condition. The sample was analyzed by gamma spectroscopy for Cs-137 and Co-60, and the analytical data, along with the procedure references, 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:km:lw

Enclosures

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

Distribution approval and concurrence:	Initials
Technical Review	DAK
Quality Review	SB

## Summary Results By Sample



Report Date: January 11, 2017

<b>Client Sample ID:</b>	A1501 303F1 LA3S1 L04FN EXCAV 00001	<b>Receipt Date:</b>	12/19/2016
<b>Lab Sample ID:</b>	12678S0001	<b>Collection Date:</b>	12/7/2016
<b>Project Name:</b>	San Onofre Nuclear Generating Station	<b>COC # :</b>	1612-006
<b>Project # :</b>	201212678	<b>SDG # :</b>	201212678-1

Analyte:	Result	TPU (2s)	MDC	Units	Qualifier Flag	Batch #	SOP (Rev. #)
Co-60	-0.004	0.018	0.034	pCi/g	U	GS0406	CP1 (21)
Cs-137	-0.028	0.016	0.028	pCi/g	U	GS0406	CP1 (21)

**Electronically Validated By:**

John Cox- 1/11/2017 08:23

**Electronically Approved By:**

A handwritten signature in black ink, appearing to read "Wade P. Ivey", is written over a light yellow rectangular background.

Wade Ivey 1/11/2017 14:53

**Qualifier Flags:**

U = Analyte not detected (< MDC)

TPU = Total Propagated Uncertainty

MDC = Minimum Detectable Concentration