



May 19, 2015

Mr. Robert Evans  
U.S. Nuclear Regulatory Commission, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011

**SUBJECT: ORISE CONTRACT NO. DE-AC05-06OR23100  
LETTER REPORT FOR ANALYTICAL RESULTS FOR FIVE SOIL SAMPLES  
ASSOCIATED WITH THE SAN ONOFRE NUCLEAR GENERATING  
STATION IN SAN CLEMENTE, CALIFORNIA  
[REPORT NUMBERS 50-00361/15-008 and 50-00362/15-008] (RFTA NO. 15-001)  
(DOCKET NO. NPF-10)  
DCN: 5267-LR-01-0**

Dear Mr. Evans:

Oak Ridge Associated Universities (ORAU), under the Oak Ridge Institute for Science and Education (ORISE) contract, received five soil samples on April 13, 2015 from the San Onofre Nuclear Generating Station in San Clemente, California. The samples were analyzed for cesium-137 (Cs-137) and cobalt-60 (Co-60) as requested on the NRC Form 303. The analytical data are presented in attached Gamma Spectrometry Summary Results By Analyte reports. The pertinent procedure references are included with the reports.

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

You may contact me at 865.576.9184 or Forrest Smith at 865.574.9802 with any questions or comments.

Sincerely,

Wade Ivey, Manager  
Laboratory  
WPI:km

Enclosures

c: T. Carter, NRC/FSME/DWMEP T-8F5

Electronic: S. Roberts, ORAU T. Vitkus, ORAU File 10273

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

# Gamma Spectrometry Summary Results By Analyte



Report Date: May 18, 2015

<b>Analyte:</b>	Cs-137	SOP (Rev. #)	CP1 (18)
<b>Project Name:</b>	San Onofre Nuclear	Energy Signature:	661.66 (KeV)
<b>Project # :</b>	201210273	SDG # :	201210273-1

Client Sample ID:	Lab Sample ID:	Result	TPU (2s)	MDC	Units	Qualifier Flag	Batch #
MEER-1	10273S0001	0.009	0.022	0.050	pCi/g	U	GS0024
TPAD-1	10273S0002	-0.010	0.017	0.034	pCi/g	U	GS0024
TPAD-2	10273S0003	-0.015	0.019	0.044	pCi/g	U	GS0024
TPAD-3	10273S0004	0.006	0.017	0.039	pCi/g	U	GS0024
SCS-01	10273S0005	-0.003	0.020	0.043	pCi/g	U	GS0024

**Electronically Signed By:**

Wade Ivey 5/18/2015 10:19:00AM

**Qualifier Flags:**

U = Analyte not detected (< MDC)

TPU = Total Propagated Uncertainty

MDC = Minimum Detectable Concentration

## Gamma Spectrometry Summary Results By Analyte



Report Date: May 18, 2015

<b>Analyte:</b>	Co-60	SOP (Rev. #)	CP1 (18)
<b>Project Name:</b>	San Onofre Nuclear	<b>Energy Signature:</b>	1173.23 (KeV)
<b>Project # :</b>	201210273	<b>SDG # :</b>	201210273-1

Client Sample ID:	Lab Sample ID:	Result	TPU (2s)	MDC	Units	Qualifier Flag	Batch #
MEER-1	10273S0001	-0.004	0.036	0.075	pCi/g	U	GS0024
TPAD-1	10273S0002	-0.002	0.026	0.056	pCi/g	U	GS0024
TPAD-2	10273S0003	-0.007	0.031	0.063	pCi/g	U	GS0024
TPAD-3	10273S0004	0.004	0.024	0.051	pCi/g	U	GS0024
SCS-01	10273S0005	0.010	0.033	0.071	pCi/g	U	GS0024

**Electronically Signed By:**

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