



**OAK RIDGE INSTITUTE FOR
SCIENCE AND EDUCATION**

February 1, 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-03-0**

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 January 12, 2017 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. 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

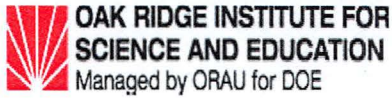
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Enclosures

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 |
|--|----------|
| Quality Review | YB |
| Technical Review | DAK |

Summary Results By Sample



Report Date: January 23, 2017

| | | | |
|-------------------|---------------------------------------|------------------|-------------|
| Client Sample ID: | A1501303F1LA3S1L04FNEXCAV00002 | Receipt Date: | 1/12/2017 |
| Lab Sample ID: | 12678S0002 | Collection Date: | 1/5/2017 |
| Project Name: | San Onofre Nuclear Generating Station | COC #: | 1701-003 |
| Project #: | 201212678 | SDG #: | 201212678-2 |

| Analyte: | Result | TPU (2s) | MDC | Units | Qualifier Flag | Batch # | SOP (Rev. #) |
|----------|--------|----------|-------|-------|----------------|---------|--------------|
| Co-60 | -0.012 | 0.017 | 0.033 | pCi/g | U | GS0412 | CP1 (21) |
| Cs-137 | -0.005 | 0.014 | 0.030 | pCi/g | U | GS0412 | CP1 (21) |

Electronically Validated By:
William Smith- 1/23/2017 14:17

Electronically Approved By:

Wade Ivey 1/23/2017 15:43

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

TPU = Total Propagated Uncertainty
MDC = Minimum Detectable Concentration