



Smithsonian Institution

Office of Safety, Health and Environmental Management

November 27, 2013

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington DC 20555

Subject: Reply to a Notice of Violation

Re: License Number: 08-05938-13
Expiration Date: January 31, 2015
Docket Number: 030-30945


Dear Sir or Madam:

The Smithsonian Institution is providing the following update to our letter of August 8, 2013, in response to NRC Inspection Report No. 03030945/2013001, dated July 11, 2013.

With regard to Violation A, samples of soil and vegetation were collected, one as a control/blank and a second from environmental test chamber number 8. The analysis results, which are enclosed, indicate that the remaining Carbon 14 activity is less than 2 pCi/gm and well below the NRC Derived Concentration Guideline (DCGL) for unrestricted release. This is also in close agreement with the calculations of soil uptake which were forwarded to your office in the letter of August 8, 2013.

Please contact me or David Peters, at (202) 633-2672, should you have any questions regarding this reply.

Sincerely,



Roger F. Yankoupe, P.E.
Director for the Office of Safety, Health and Environmental Management

Enclosure

Cc:
U.S. Nuclear Regulatory Commission
Regional Administrator, Region 1
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406

IED7
RGN-I



Outreach Laboratory

311 North Aspen
Broken Arrow, OK 74012
(918) 251-2515
FAX (918) 251-0008



LABORATORY
ACCREDITATION
BUREAU
NIST CERTIFIED



Certificate # L 2284 Testing



NJ OK001

Case Narrative

Lab No: 20131081

This report contains the analytical results for the 2 sample(s) received under chain of custody by Outreach Laboratory on 10/28/13 14:18:42. These samples are associated with your Marsh project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below:

The test results in this report meet all NELAC requirements unless noted below:

This report shall not be reproduced, except in full, without the written approval of Outreach Laboratory.

All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client.

Observations / Nonconformances



Outreach Laboratory

311 North Aspen
Broken Arrow, OK 74012
(918) 251-2515
FAX (918) 251-0008

Client: Smithsonian Institution
Client Project: Marsh
Lab Number: 20131081
Date Reported: 11/25/13
Date Received: 10/28/13
Page Number: 2 of 2

Analytical Report

Method	Result	DL	LOD	LOQ	Units	Qual.	Prep Date	Analysis Date	Analyst
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Lab ID: 20131081-01
Client ID: DP10232013SERC -C
Date Sampled: 10/23/13 17:00:00
Matrix: SCM

Radiochemical Analyses

Carbon-14	EPA EERF C01	0.102 +/- 0.493	0.816		pCi/g		11/22/13	11/25/13	RL
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Lab ID: 20131081-02
Client ID: DP10232013SERC -SC8
Date Sampled: 10/23/13 17:00:00
Matrix: SCM

Radiochemical Analyses

Carbon-14	EPA EERF C01	1.92 +/- 1.20	1.83		pCi/g		11/22/13	11/25/13	RL
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QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Date
Carbon-14	-0.582	47.9			34.8	0.233	61.0			11/25/13

Lab Approval: