

April 4, 2006

Docket No. 070-00734
License No. SNM-00696

Mr. Robert Evans
U.S. Nuclear Regulatory Commission
Region IV: DNMS: NMLB
Suite 400
611 Ryan Plaza Drive
Arlington, TX 76011

SUBJECT: ANALYTICAL RESULTS FOR 31 SWIPE SAMPLES AND TWO SOIL SAMPLES FROM GENERAL ATOMICS, LaJOLLA, CALIFORNIA (INSPECTION REPORT #070-00734/06-001) [RFTA NO. 06-001]

Dear Mr. Evans:

The Oak Ridge Institute for Science and Education (ORISE) received 31 swipe samples and two soil samples from General Atomics on March 20, 2006 for analysis. The swipe samples were analyzed by gas-flow proportional counting (Procedure CP3, Revision 2). The measured alpha and beta activity for each swipe was below the instrument minimum detectable concentrations of 8.9 dpm/100cm² for alpha and 15 dpm/100cm² for beta. The two soil samples were analyzed by gamma spectroscopy (GS) (Procedure CP1, Revision 15). The GS results are presented in Table 1.

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

My contact information is listed below. You may also contact Wade Ivey at 865.576.9184 with any questions or comments.

Sincerely,



Dale Condra, Manager
Laboratory

RDC:WPI:ar

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TABLE 1

CONCENTRATIONS OF SELECTED GAMMA EMITTING RADIONUCLIDES
 IN SOIL SAMPLES
 BY GAMMA SPECTROSCOPY CP1, REVISION 15
 GENERAL ATOMICS
 La JOLLA, CALIFORNIA

ORISE Sample ID	NRC Region IV Sample ID	Radionuclide Concentrations (pCi/g dry weight) ^a				
		Cs-137	U-235	U-238 by Th-234	Th-228 by Pb-212	Th-232 by Ac-228
1693S0001	NRC-1	0.06 ± 0.02 ^b	0.16 ± 0.09	1.16 ± 0.64	0.80 ± 0.07	0.91 ± 0.16
1693S0002	NRC-2	0.06 ± 0.03	0.04 ± 0.10	1.13 ± 0.56	0.94 ± 0.08	0.95 ± 0.19

^aThe average MDCs for these radionuclides range from 0.03 pCi/g for Cs-137 to 0.60 pCi/g for Th-234.

^bUncertainties represent the 95% confidence level, based on total propagated uncertainties.