

ACCEPTANCE REVIEW MEMO

Licensee: Environmental Protection Agency (Las Vegas)
License No.: 27-05861-02 **Docket No.:** 030-06981
Mail Control No.: 470460
Type of Action: Amend **Date of Requested Action:** 02-23-05
Reviewer Assigned: **Date Assigned to Reviewer:** 03-17-05
Reviewer(s) Who Performed Review: Torres-Walker

Response Received	Deficiencies Noted During Acceptance Review
1.	
2.	
3.	
4.	

Reviewer's Initials: _____ **Date:** _____

Branch Chief's and/or SR. HP's Initials: _____ **Date:** _____

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Action - decommissioning notification should be issued within 30 days.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Termination request < 90 days from date of expiration
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Action to be expedited
		_____ Medical emergency
		_____ Licensee in noncompliance (i.e. no RSO, location of use/storage not on license, radioactive material in possession not on license)
		_____ National Security
		_____ Other (_____)

Branch Chief's and/or Sr. HP's Initials: _____ **Date:** _____

SISP Review		
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Non-Publicly Available, Sensitive if <u>any</u> item below is checked
		_____ Radionuclides, forms, and quantities
		_____ Location of RAM
		_____ Building drawings with locations of RAM
		_____ Security of RAM (locks, alarms, etc.)
		_____ SS&D Catalog information
		_____ Specifics of Emergency Plan (routes to and from RAM, response to security events, etc.)
		_____ Safeguards Information

Branch Chief's and/or Sr. HP's Initials: RTW **Date:** 3/17/05



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RADIATION AND INDOOR ENVIRONMENTS NATIONAL LABORATORY
P.O. BOX 98517 • LAS VEGAS, NV 89193-8517

FEB 28 2005

OFFICE OF
AIR AND RADIATION

February 23, 2005

U. S. Nuclear Regulatory Commission Region IV
Jack Whitten
Attention: Nuclear Materials and Licensing Branch
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-4005

Reference: License No. 27-05861-02
Docket No. 030-06981
Mail Control No. 571951

Dear Mr. Whitten:

The purpose of this letter is to inform you that, effective February 9, 2005, Scott Faller will replace James Benetti as the Chairperson of the Radiation Safety Committee. Mr. Faller's training and experience is attached as Enclosure 1.

If you have any questions, please call me or Richard D. Hopper, Deputy Director at (702) 784-8202, the Radiation Safety Officer (RSO) at (702) 784-8272, or his designated Alternates in the order as specified.

<u>Radiation Safety Personnel</u>	<u>Phone#</u>	<u>Location</u>
Christopher Fontana (RSO)	784-8272	LPC, room 629-E
Katherine Buckley (Alternate)	798-2157	CHL, room 49

Sincerely,

Richard Hopper
Jed Harrison
Director

Enclosure

MAR - 1 2005

FACSIMILE COVER SHEET**EPA****United States Environmental Protection Agency****ORIA****Office of Radiation and Indoor Air****R&IE****Radiation and Indoor Environments National Laboratory****Post Office Box 98517****Las Vegas, Nevada 89193-8517**

TO: JACK WHITTEN	
Phone (817) 860. 8197	Office NUCLEAR MATERIALS BRANCH
FAX NUMBER: (817) 860-8263 or (817) 860-8623 or (817) 860. 8188	
FROM: CHRIS FONTANA, RSO	
Phone (702) 784. 8272	Office R&IE <input checked="" type="checkbox"/> CIE <input type="checkbox"/> CERMER <input type="checkbox"/> CRQA <input type="checkbox"/>
Special Instructions: Enclosure for letter dated 23 Feb 2005.	
Date 1 MAR 2005	Number of pages including this cover sheet 6

INFORMATION FOR SENDING FACSIMILE MESSAGES

Facsimile Number (702) 784-8231

Verification Number (702) 784-8224

1 270 60

Curriculum Vitae

Scott Hugh Faller

Education

- 1979 B.A. Chemistry, Idaho State University, Pocatello, Idaho
- 1986 Ph.D. Nuclear Chemistry, University of Maryland, College Park, Maryland
Thesis: "Structure of Odd-Z Lanthanum and Cesium Isotopes with N Larger than 82." Thesis work performed at the National Institute for Standards and Technology (formerly National Bureau of Standards) and Brookhaven National Laboratory.

Professional Experience

- 1980 Industrial Chemist, J.R. Simplot Company, Pocatello, Idaho.
- 1980-1986 Graduate Research Assistant, University of Maryland, College Park, Maryland.
- 1987-2000 Research Chemist, Group Leader (Gamma-Ray Analysis, Emergency Preparedness, *In-Situ* Gamma-Ray Analysis, Ambient Air Monitoring), Office of Research and Development and Radiation and Indoor Environments National Laboratory, U.S. Environmental Protection Agency, Las Vegas, Nevada.
- 2000-Present EPA Quality Assurance Manager for Clean Air Status and Trends Network (CASTNET) and EPA QA representative for the National Atmospheric Deposition Program (NADP). Field Quality Assurance auditor for Radiation and Indoor Environments National Laboratory (R&IE) PM 2.5 Ambient Air Monitoring. Work assignment manager for CASTNET Quality Assurance Contract and DOE Interagency Agreement for *In-Situ* Comparability Studies.

Awards

- U.S. Environmental Protection Agency Bronze Medal Award for Commendable Service, 1999.
- U.S. Environmental Protection Agency Bronze Medal (Team) Award for Commendable Service, 2003.

Other

Cosponsor of the *In Situ Ge Spectrometer Intercomparison Workshop, Grand Junction, Colorado, October 18 - 22, 1999.*

Rotational assignment to EPA Office of Atmospheric Programs, Washington D.C., August, 2003 to January, 2004 as CASTNET Quality Assurance Manager.

Publications

1. *The Decay of 56-second Ce-148 to Levels of Odd-Odd Pr-148.* N.K. Aras, C. Chung, C.A. Stone, S.H. Faller, W.B. Walters, R.L. Gill, M. Schmid, and R.E. Chrien. *Can. J. of Chem.* 61, 780 (1983).
2. *The Beta Decay of I-139.* J.D. Robertson, S.H. Faller, W.B. Walters, and C.A. Stone, R.L. Gill, and A. Piotrowski. *Z. Phys.* A321, 705 (1985).
3. *Decay of 83-minute Ba-139 to Levels of La-139 and the Decay of 18-minute Ba-141 to Levels of La-141.* S.H. Faller, C.A. Stone, J.D. Robertson, C. Chung, N.K. Aras, W.B. Walters, R.L. Gill, and A. Piotrowski. *Phys. Rev.* C34, 654 (1986).
4. *The Decay of Cs-145 to Levels of Ba-145.* J.D. Robertson, S.H. Faller, W.B. Walters, R.L. Gill, H. Mach, A. Piotrowski, F.F. Zganjar, H. Dejbakhsh, and R.F. Petry. *Phys. Rev.* C34, 1012 (1986).
5. *Structure of the Odd-Odd and Odd-Mass Sb Nuclides.* C.A. Stone, S.H. Faller, J.D. Robertson, and W.B. Walters. "Nuclei Far From Stability"; AIP Conference, Proc. 164, 429 (1987).
6. *Decay of Ba-143 to Levels of the Odd-Proton N=86 Nuclide La-143.* S.H. Faller, J.D. Robertson, E.M. Baum, C. Chung, C.A. Stone, and W.B. Walters. *Phys. Rev.* C38, 307 (1988).
7. *Decay of Xe-139, -141, -143 to Levels of Cs-139, -141, -143.* S.H. Faller, P.F. Mantica, Jr., E.M. Baum, C. Chung, J.D. Robertson, C.A. Stone, and W.B. Walters. *Phys. Rev.* C38, 905 (1988).
8. *Level Structure of Odd-Mass Pr Isotopes: Decay of 3.0 minute Ce-145 to Levels of Pr-145.* E.M. Baum, J.D. Robertson, P.F. Mantica, Jr., S.H. Faller, C.A. Stone, W.B. Walters, R.A. Meyer, and D.F. Kusnezov. *Phys. Rev.* C39, 1514 (1989).
9. *Thorium-230 Dating of Thermal Waters in the Vicinity of Yucca Mountain, Nevada.* R.W. Holloway, J.T. Carilli, S.H. Faller, C.K. Liu, and P.K. Kuroda. *J. Radioanal. and Nucl. Chem.* 131, 359 (1989).
10. *Structure of Odd-Odd Sb-132.* C.A. Stone, S.H. Faller, and W.B. Walters. *Phys. Rev.* C39, 1963 (1989).
11. *Reflection Asymmetric Structures in the A=145 Mass Region: Decays of 1.8-s Cs-143 to Levels to Ba-143 and 4.1-s La-147 to levels of Ce-147.* J.D. Robertson, P.F. Mantica, Jr., S.H. Faller, C.A. Stone, E.M. Baum, and W.B. Walters. *Phys. Rev.* C40, 2804 (1989).
12. *Ruthenium-103, Iodine-131, Tellurium-132, and Cesium-137 in Air after the Chernobyl Event.* C.K. Liu, S.H. Faller, and P.K. Kuroda. *Radiochimica Acta* 50, 159 (1990).
13. *Unusual Nuclide Concentrations in Air after the Chernobyl Event.* S.H. Faller and P.K. Kuroda. *Radiochimica Acta* 50, 219 (1990).
14. *Long-Lived Radioactivity in Surface Air over Washington D.C. after the Chernobyl Event.* S.H. Faller, D.J. Krask, and P.K. Kuroda. *Radiochimica Acta* 54, 43 (1991).

15. *Airborne Chernobyl Radioactivity in College Park, Maryland.* M.E. Kitto, S.H. Faller, D.L. Anderson, and L. E. McCarthy. *Radiochimica Acta* 55, 43 (1991).
16. *In-Situ Gamma-Ray Site Characterization of the Tatum Salt Dome Test Site in Lamar County, Mississippi.* S.H. Faller. *Health Physics* 62, 571 (1992).
17. *Systematic Features of the Structure of the heavy Odd-Mass Sb Nuclides near the N=82 Closed Shell.* C.A. Stone, J.D. Robertson, S.H. Faller, P.F. Mantica, Jr., B.E. Zimmerman, C. Chung, and W.B. Walters. *Physica Scripta* T56, 316-319 (1995).
18. *Plutonium Anomalies in Attic Dust and Soils at Locations Surrounding the Nevada Test Site.* J.V. Cizdziel, V.F. Hodge, and S.H. Faller. *Chemosphere* 37, 1157 (1998).
19. *Measurement of Current Tritium Concentrations in Winter and Summer Precipitation at Las Vegas, Nevada (USA).* D.E. Farmer, T.R. Glew, and S.H. Faller. "First International Conference on Applied Sciences and the Environment" ASE Conference Proc. Environ. Eng. Series 4, 97 (1998).
20. *An Intercomparison of In Situ Gamma-ray Spectrometers.* K.M. Miller, P. Shebell, M.A. Monetti, G.A. Klemic, R. Venkataraman, E. Fisher, D.G. Scoggins, S.H. Faller, B. Moore, R.T. Reiman, D.G. Keefer, and B. Gilmartin. *Radioactivity and Radiochemistry* 9, 27 (1998).
21. *Resolving Nevada Test Site and Global Fallout Plutonium in Attic Dust and Soils Using $^{137}\text{Cs}/^{239,240}\text{Pu}$ Activity Ratios.* J.V. Cizdziel, V.F. Hodge, and S.H. Faller. *Health Physics* 77, 67 (1999).
22. *Mapping of Depleted Uranium with In Situ Spectrometry and Soil Samples.* P. Shebell, M. Reginatto, M. Monetti, S. Faller, J. Davis. "Restoration of Environments with Radioactive Residues" IAEA Symposium. Proc. IAEA-SM-359,127 (1999).
23. *An Assessment of the Reported Leakage of Anthropogenic Radionuclides from the Underground Nuclear Test Sites at Amchitka Island, Alaska, USA to the Surface Environment.* D. Dasher, W. Hanson, S. Read, S. Faller, D. Farmer, W. Eford, J. Kelly, R. Patrick. *Journal of Environmental Radioactivity* 60,165 (2002).
24. *An In Situ Gamma-Ray Spectrometry Intercomparison.* P. Shebell, S. Faller, M. Monetti, F. Bronson, R. Hagenhauer, C.L. Jarrell, D. Keefer, J.R. Moos, D. Scoggins, N. Panzarino, R.T. Reiman, B.J. Sparks, M. Thisell. *Health Physics* 85,662 (2003).

Recent Reports

1. *Residual Soil Radioactivity at the Gnome Test Site in Eddy County, New Mexico.* S.H. Faller. U.S. Environmental Protection Agency, Las Vegas, NV, Report EPA 600/R-94/117 (1994).
2. *Surface Radioactivity at the Plowshare Gas-Stimulation Test Sites: Gasbuggy, Rulison, Rio Blanco, Colorado.* S.H. Faller. U.S. Environmental Protection Agency, Las Vegas, NV, Report EPA 600/R-95/002 (1995).
3. *Annual Water Sampling and Analysis at the Salmon Test Site Area, Lamar County, Mississippi, April 1994.* M.G. Davis and S.H. Faller. Report EPA 600/R-95/005 (1994).

4. *Field Determinations of ^{226}Ra at the Sooner Dial Company Superfund Site, Clinton, Oklahoma.* S.H. Faller. Report to the U.S. Environmental Protection Agency Region 6 Superfund Program Office (1996).
5. *Gamma-Ray Scan of the McClellan Air Force Base, Sacramento, California.* R.D. Shura and S.H. Faller. Report to the McClellan AFB Environmental Remediation Division (1996).
6. *Sampling and Analysis Plan: Amchitka, Alaska - 1997.* D.E. Farmer and S.H. Faller. Report to the Department of Energy, Nevada Operations Office for the Summer 1997 Sampling Project to Amchitka Island (1997).
7. *Amchitka, Alaska Special Sample Project -1997: Final Results.* S.H. Faller, D.E. Farmer, G.D. Dempsey, and G.A. Dilbeck. Report to the Amchitka Technical Advisory Group, Anchorage, Alaska (1997).
8. *Attic Dust: A New Study of Radioactive Fallout from the Nevada Test Site.* J.V. Cizdziel, V.F. Hodge, and S.H. Faller. Report Summary for the American Chemical Society News Service (1997).
9. *Long Term Hydrological Monitoring Program: Amchitka, Alaska, 1997.* S.H. Faller and D.E. Farmer. Report EPA-402-R-98-002 (1998).
10. *Investigation of Feasibility of HPGc In-Situ Gamma-Ray Spectrometry at the Ashland FUSRAP Sites.* S.H. Faller. Report to the Environmental Assessment Division, Argonne National Laboratory for the remediation of the Ashland Sites, Tonawana, NY (1998).
11. *Preliminary Comparison of the Costs of In-Situ Gamma-Ray Analysis with those of Conventional Soil Analysis.* S.H. Faller and C. Blue. Report to OERR Superfund Office (1998).
12. *Radiological Support and Post Cleanup Survey During Removal Activities at the Hastings Radiochemical Sites.* G.D. Dempsey, B.J. Moore, S.H. Faller, R.D. Shura. Report to the U.S. Environmental Protection Agency Region 6 Superfund Program Office (1999).

Committees

Amchitka, Alaska, Technical Advisory Group (ATAG) for the determination and evaluation of radiological data pertaining to Amchitka related projects, 1997.

Fernald Real Time Measurement Working Group for investigation of *in-situ* measurement techniques at the Fernald, OH, Superfund Site, 1998.

Ph.D. thesis committee for Jim Cizdziel, Department of Environmental Sciences, University of Nevada, Reno (UNR) and University of Nevada, Las Vegas (UNLV), 1999.

American National Standards Institute (ANSI) Working Group (N42R) for the development of an standard N42.28 *Performance Standard for the Calibration of Gamma-Ray Detectors for In-Situ*

Measurements, 1998 - 2001.

National Atmospheric Deposition Program (NADP) Quality Assurance Interim Subcommittee, 2001 - Present.

Clean Air Status and Trends Network (CASTNET) IV Contract Award Technical Advisory Committee, 2003.

MAR 18 2005

DATE

This is to acknowledge the receipt of your letter/application dated 2-23-05, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

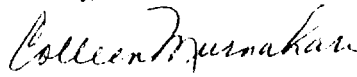
Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 470460.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,



Licensing Assistant

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03610
Status Code: 0
Fee Category: EX 3L 1D 2C 3E 3P
Exp. Date: 20070228
Fee Comments: 2C NOT SHIELDING
Decom Fin Assur Reqd: Y

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED ENVIRONMENTAL PROTECTION AGENCY

Applicant/Licensee: 20050228
Received Date: 3006981
Docket No: 470460
Control No.: 27-05861-02
License No.:
Action Type: Amendment

2. FEE ATTACHED

Amount: /
Check No.: /

3. COMMENTS

Signed *William J. ...*
Date 3/17/05

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / __/)

- 1. Fee Category and Amount: _____
- 2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____
- 3. OTHER _____

Signed _____
Date _____