

## ACCEPTANCE REVIEW MEMO

Licensee: R & M Consultants, Inc.

License No.: 50-19380-01

Docket No.: 030-17516

Mail Control No.: 470931

Type of Action: Amend Date of Requested Action: 03-10-06

Reviewer Assigned: Date Assigned to Reviewer: 4-06-06

Reviewer(s) Who  
Performed Review: Torres

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: \_\_\_\_\_

- ☐ Yes ☐ No Action - decommissioning notification should be issued within 30 days.
- ☐ Yes ☐ No Termination request < 90 days from date of expiration
- ☐ Yes ☐ 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

- ☐ Yes ☒ No Non-Publicly Available, Sensitive if any 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: RITC

Date: 4/4/06



**R&M CONSULTANTS, INC.**  
9101 Vanguard Drive, Anchorage, Alaska 99507

(907) 522-1707, FAX (907) 522-3403, [www.rmconsult.com](http://www.rmconsult.com)

March 10, 2006

*RJC*  
Ms. Colleen Murnahan, Licensing Assistant  
Nuclear Materials Licensing Branch  
U.S. NRC, Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-4005

Re: Amendment to NRC License for R&M Consultants, Inc.  
Docket: 030-17516  
License: 50-19380-01

Dear Ms. Murnahan,

Please amend the above referenced license, Section 12. A. and B., by removing Micah Short as Radiation Safety Officer (RSO) and inserting Richard S. Giessel as the new RSO.

Mr. Giessel is Construction Services Manager for R&M Consultants, Inc. (R&M). He is responsible for all of the operations of R&M where license materials are used. Mr. Giessel previously served R&M as RSO from January 26, 2001 through July 31, 2005. He successfully completed the Troxler Electronic Laboratories, Inc. training course for the use of nuclear testing equipment on May 19, 1980 and has attended a number of refresher classes on Radiological safety since that time. Mr. Giessel completed the Troxler RSO Training Course in Salem, OR on February 15, 2001. He is a registered Professional Engineer in Alaska (No. CE-5132) and Michigan (No. 030407). A more detailed resume of Mr. Giessel's experience and training is attached along with a copy of the Communication Record from R&M's Chief Financial Officer, Bret Coburn, appointing Mr. Giessel as RSO.

Thank you for your consideration of this amendment to our license.

Very Truly Yours,  
R&M CONSULTANTS, INC.

Richard S. Giessel, P.E.  
Construction Services Manager

RSG:rg

Attachments: Resume, Communication Record of Appointment as RSO

### **Professional Experience**

Mr. Giessel is a Civil/Structural/Materials Engineer with specific experience in structural design of commercial, church, school, residential, bridge, and crane structures, water and wastewater treatment facilities, water-well design, soils and materials (including asphalt and concrete mix designs), and extensive construction-inspection, testing, analysis, and forensic work. Since 1974 Mr. Giessel has been involved in a wide variety of projects for R&M Consultants, Inc. He served as Project Engineer for design of the water system for the City of Wasilla, Project Supervisor for design of Trail Lakes Fish Hatchery, Materials Laboratory Supervisor, Quality Control Engineer for the Sullivan Arena and the Egan Convention Center, and Construction Superintendent for the Beaver Safe Water Facility. Mr. Giessel is WAQTC qualified (#14) for materials testing under all four categories (Aggregate, Embankment & Base, Asphalt, and Concrete).

Mr. Giessel is currently R&M's Construction Services Manager charged with oversight of our AASHTO Accredited Construction Materials Laboratory, Special Inspection Services and Construction Administration work groups. He also serves as Radiation Safety Officer and Laboratory Quality Assurance Manager providing an integral link in R&M Consultants, in-house quality control program. He led the R&M Construction Materials Laboratory to AASHTO Accreditation in 1999. Mr. Giessel is also a Municipality of Anchorage certified Special Inspector and has supplanted the activities of our Special Inspection Team since 1996, performing special inspection duties on many commercial and institutional buildings. Mr. Giessel has been involved in bridge inspection and design services since 1992, meets the qualifications of a Bridge Inspection Team Leader in accordance with the National Bridge Inspection Standards, and leads bridge inspection efforts for R&M.

### **Education**

B.S., 1978, Civil Engineering, University of Michigan

B.S. Ed., 1973, Science, Math, and Chemistry, University of Michigan

National Science Foundation Grant Recipient, Advanced Chemical Instrumentation post graduate course, University of Arizona, 1991

### **Registrations**

Professional Engineer (Civil), Alaska, 1981

Professional Engineer, Michigan, 1983

Certified Teacher, Alaska, 1995, 2000, 2006

Certified Teacher, Association of Christian Schools International, 1998

Municipality of Anchorage Emergency Services Worker, ATC-20 Cert., Damage Assessment Engineer, 1996

Municipality of Anchorage licensed IBC Chapter 17 Special Inspector, 2005

Alaska Science & Technology Foundation Grant Recipient, 1993

NSF Grant Recipient for which he was one of 30 teachers selected nationwide to participate in a postgraduate course in Advanced Chemical Instrumentation at the University of Arizona, 1992

WAQTC Materials Testing Instructor, 2000

IMSA certified as a Work Zone Traffic Safety Specialist, 2002

Gravitec certified Competent Person for Fall Protection, 2005

**Publications / Honors**

“Effluent Treatment at Trail Lakes Hatchery” (Paper presented at Cold Regions Environmental Engineering Conference on May 19, 1983, at Fairbanks, Alaska).


“Tensile Strength of Alaska Birch and Spruce” Research paper produced for Alaska Science and Technology Foundation under the Direct Grants to Teachers Program, 1995.

Who’s Who Among America’s Teachers, 2<sup>nd</sup> edition, 1992

Who’s Who Among America’s Teachers, 5<sup>th</sup> edition, 1998



Communication Record

<b>Project:</b>	Lab/CA Nuclear - NRC Required Documentation	<b>Project No.</b>	0001.00
<b>Subject</b>	Appointment as Radiation Safety Officer	<b>Date:</b>	January 31, 2006
<b>Call To:</b>		<b>Telephone No.</b>	
<b>Call From:</b>		<b>Telephone No.</b>	
<b>Discussion Between</b>	Bret Coburn  and Richard S. Giessel, P.E.		

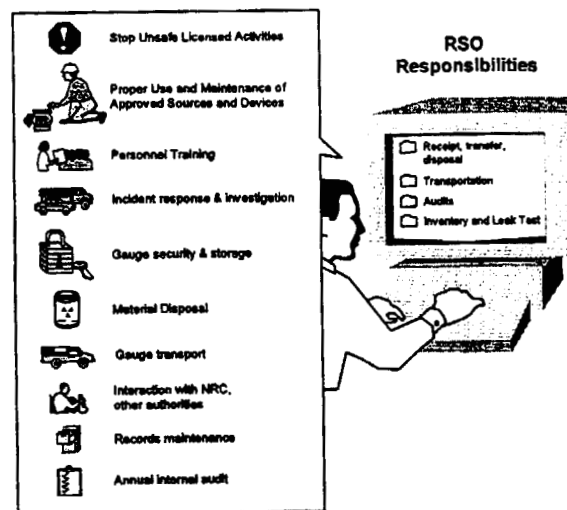
As of January 10, 2006 Radiation Safety Officer (RSO) duties have been transferred from Micah Short back to Richard S. Giessel, P.E. who has previously served as R&M’s RSO. Mr. Coburn acknowledges that Mr. Giessel is already familiar with the duties and responsibilities of the RSO position but has attached a summary of the responsibilities to better complete this communication. The summary is from NUREG – 1556, Vol. 1, Rev. 1, Appendix E and Figure 8.1.

R&M Consultants, Inc. is very pleased that you have assumed the RSO duties and we want to assure you that you will receive full support from both management and staff in complying with all requirements. As RSO you are authorized to monitor and direct all activities relating to the license regulations, to stop any unsafe operation and to allocate appropriate time to perform radiation safety duties and responsibilities.

You are requested to assess current methods and check procedures that management utilizes to ensure the firm remains up-to-date on regulations, reviews new or amended regulations, and makes related changes in licensee procedures to maintain nuclear safety and comply with regulations.

The RSO's duties and responsibilities are illustrated in Figure 8.1 and typically include ensuring the following:

- Licensed activities that the RSO considers unsafe are stopped;
- Possession, use, storage, and maintenance of sources and gauges are consistent with the limitations in the license, the Sealed Source and Device Registration sheet(s), and the manufacturer's recommendations and instructions;
- Individuals who use gauges are properly trained;
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals; records of the results of such monitoring are maintained;
- Gauges are properly secured;
- Proper authorities are notified in case of accident, damage to gauges, fire, or theft;
- Unusual occurrences involving the gauge (e.g., accident, damage) are investigated, cause(s) and appropriate corrective action are identified, and corrective action is taken;
- Audits are performed at least annually and documented, and corrective actions are taken;
- Licensed material is transported in accordance with all applicable DOT requirements;
- Licensed material is disposed of properly;
- Appropriate records are maintained;
- An up-to-date license is maintained and amendment and renewal requests are submitted in a timely manner;
- Up-to-date operating and emergency procedures are developed, maintained, distributed, and implemented;
- Non-routine operations are performed by the manufacturer, distributor, or person specifically authorized by NRC or an Agreement State;
- Documentation is maintained to demonstrate, by measurement or calculation, that the TEDE to the individual member of the public likely to receive the highest dose from the licensed operation does not exceed the annual limit in 10 CFR 20.1301;
- When the licensee identifies violations of regulations or license conditions or program weaknesses, corrective actions are developed, implemented, and documented;
- Posting of documents required by 10 CFR 19.11 (Parts 19 and 20, license documents, operating procedures, NRC Form 3, "Notice to Employees"), and 10 CFR 21.6 (Part 21, Section 206 of Energy Reorganization Act of 1974, procedures adopted pursuant to Part 21) or posting a notice indicating where these documents can be examined.



1556-0000.apr  
03/02/04

**Figure 8.1 RSO Responsibilities.** *Typical duties and responsibilities of RSOs.*

APR 10 2006

This is to acknowledge the receipt of your letter/application dated  
03/10/06, and to inform you that the initial processing,  
which includes an administrative review, has been performed.

DATE

☒ 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 470931.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

Sincerely,

*Calleen Murnahan*

Licensing Assistant



BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LEMS USE)  
INFORMATION FROM LTS  
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Program Code: 03121  
Status Code: 0  
Fee Category: 3P  
Exp. Date: 20150930  
Fee Comments:  
Decom Fin Assur Regd: N  
.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: R & M CONSULTANTS, INC.  
Received Date: 20060320  
Docket No: 3017516  
Control No.: 470931  
License No.: 50-19380-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.: \_\_\_\_\_

3. COMMENTS

Signed \_\_\_\_\_  
Date 4/5/06

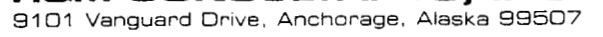
B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / \_\_/)

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:  
Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_



**THE UNIVERSITY OF CHICAGO**

[illegible]