

## Murnahan, Colleen

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**From:** Cook, Jackie  
**Sent:** Thursday, July 08, 2010 3:17 PM  
**To:** Murnahan, Colleen  
**Subject:** RE: Amendment Request for License #49-29307-01

Colleen:

Welcome back! I just wanted to confirm that we did set up this amendment request. If so, has it gone to scanning? What is the status?

Jackie

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**From:** Cook, Jackie  
**Sent:** Thursday, July 01, 2010 10:57 AM  
**To:** Murnahan, Colleen  
**Subject:** FW: Amendment Request for License #49-29307-01

Another amendment request. Please set up for review.

Thanks,

Jackie

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**From:** Robert G. Saunders [mailto:RSaunders@gdaengineers.com]  
**Sent:** Thursday, July 01, 2010 10:06 AM  
**To:** Cook, Jackie  
**Cc:** D Spomer  
**Subject:** Amendment Request for License #49-29307-01

Jackie,

Thank you for your help the other day in answering all my questions about an RSO. Per our conversation, I have attached for your use the amendment request letter with supporting documentation which I hope will help expedite our application. I am requesting that this be expedited due to the fact that the former RSO, Darren Cannon, is no longer with the firm as of June 30<sup>th</sup>.

Thank you for your help with this and if you have any questions or need any further information, please let me know.

Sincerely,



**Robert Saunders, EIT**  
**Project Engineer**  
GDA Engineers  
P.O. Box 338  
1508 Stampede Ave.  
Cody, Wyoming 82414  
307-587-3411 Office  
307-527-5182 Fax  
[rsaunders@gdaengineers.com](mailto:rsaunders@gdaengineers.com)



June 30, 2010

Ms. Jackie Cook  
611 Ryan Plaza Drive, Suite 400  
Arlington, Tx. 76011-8064

RE: Amendment to License #49-29307-01

Dear Jackie,

I am writing to you to request an expedited amendment to our license number 49-29307-01. As of June 30, 2010, Darren Cannon will no longer be employed at GDA Engineers and thus can no longer participate as the Radiation Safety Officer (RSO). I, Robert Saunders, will be assuming the role of the new RSO and am requesting that my name replace Darren's.

My qualifications for making this request are based on passing a Radiation Safety Course on July 18, 2008 offered through Radiation Physics and Engineering (See attached documentation for course outline and certificate) in Phoenix, Arizona and for completing the requirements for the Arizona Technical Testing Institute (ATTI) to be a Field Technician (License #16217F) in September 2008.

An ATTI Field Technician as part of its license is able to test field density/moisture content of soils/aggregate by nuclear method (Arizona 235) and test the density of compacted bituminous mixtures by nuclear method (Arizona 412). This required hands-on education and a testing demonstration of the use and handling of a portable nuclear gauge. This is a five year license which is due to expire September 2013 (See attached documentation for requirements and card certification).

In addition for clarification, we would like our license to reflect a maximum possession limit of two portable nuclear gauges. Our office currently has only one gauge in its possession (Troxler Model 3430, Serial Number #26610).

If you have any questions or need any further information, I may be contacted at 307-527-3411 or by email at [rsaunders@gdaengineers.com](mailto:rsaunders@gdaengineers.com).

Sincerely,  
GDA Engineers



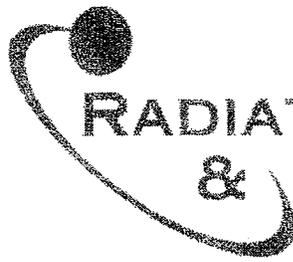
Robert Saunders

P.O. Box 338  
1508 Stampede Avenue  
Cody, WY 82414  
PH: 307.587.3411  
FAX: 307.527.5182  
[www.gdaengineers.com](http://www.gdaengineers.com)



## Radiation Safety Short Course Topics (One Day Class)

1. Atomic Structure
2. Characteristics of Ionizing Radiations
3. Units of Radiation and Radioactivity
4. Types of Ionizing Radiations
5. Radiation Shielding Principles
6. Units of Radiation Risk
7. Acute Biological Effects of Ionizing Radiations
8. Long Term Biological Effects of Ionizing Radiations
9. Typical Radiation Doses from Background, Medicine, and Industry
10. Dose Limits for Occupationally Exposed Individuals
11. Techniques for Limiting Radiation Doses to Personnel
12. Radiation Warning Signs
13. Shipping Label Requirements
14. Sealed Source Leak Checks
15. Selection of Radiation Survey Instruments
16. Laboratory On Use of GM Survey Meters
17. Written Exam



**RADIATION PHYSICS  
& ENGINEERING**

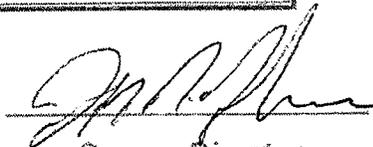
*certifies that*

*Robert Saunders*

*has successfully completed the*

**Radiation Safety Short Course**

Given on July 18th, 2008



Course Director

# Arizona Technical Testing Institute

Certified Technicians

Certification Test Methods

Exam/Review Schedule

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## Certification Test Methods

### Asphalt Technician Certification

ARIZ 104	Sampling Bituminous Mixtures
AASHTO T40	Sampling Bituminous Materials
ARIZ 247	Particle Shape and Texture of Fine Aggregate Using Uncompacted Void Content
ARIZ 406	Moisture Content of Bituminous
ARIZ 410	Compaction and Testing of Bituminous Mixtures Utilizing 101.6 mm Marshall Apparatus
ARIZ 415/AASHTOT166	Bulk Specific Gravity of Compacted Bituminous Mixtures
ARIZ 416	Preparing, Splitting and Testing of Bituminous Mixtures
ARIZ 417	Maximum Theoretical Specific Gravity of Field Produced Bituminous Mixtures (Rices)
ARIZ 421	Bituminous Material Content of A.C. Mixtures by the Nuclear Method
ARIZ 424	Determination of Voids in Compacted Bituminous Mixtures
ARIZ 427	Asphalt Binder Content of A.C. Mixtures by the Ignition Furnace Method
AASHTO T312 Standard Method for Preparing and Determining the Density of Hot Mix Asphalt by Means of SHRP Gyrotory Compactor	

### Field Technician Certification

ARIZ 104	Sampling Bituminous Mixtures
ARIZ 105	Sampling Soils and Aggregates
ARIZ 225	Maximum Dry Density & Optimum Moisture of Soils by Method A Proctor, App. A - Calibration of Proctor Molds
ARIZ 227	Rock Correction for Maximum Density & Optimal Moisture Content
ARIZ 229	calibration of Standard Sand and Sand Cone
ARIZ 230	Field Density by the Sand Cone Method
ARIZ 232	Moisture-Density using Typical Moisture-Density Curve Method A
ARIZ 235	Field Density/Moisture Content of Soils/Agg. by Nuclear Method
ARIZ 246	Moisture/Density using Typical Moisture-Density Curves Method D
ARIZ 412	Density of Compacted Bituminous Mixtures by Nuclear Method
AASHTO T40	Sampling Bituminous Mixtures
AASHTO T217	Moisture Content by Calcium Carbide Method

### Soils/Aggregate Lab Technician Certification

ARIZ 105	Sampling Soils and Aggregates
ARIZ 201	Sieving of Coarse and Fine Graded Soils and Aggregates
ARIZ 210	Specific Gravity and Absorption of Coarse Aggregate
ARIZ 211	Specific Gravity and Absorption of Fine Aggregate
ARIZ 212	Percentage of Fractured Coarse Aggregate Particles
ARIZ 225	Maximum Dry Density & Optimum Moisture of Soils by Method A Proctor
ARIZ 233	Flakiness of Aggregate
ARIZ 236	Determining pH and Minimum Resistivity of Soils
ARIZ 245	Maximum Dry Density & Optimum Moisture of Soils by Alternate Method D Proctor
AASHTO T19	Unit Weight and Voids in Aggregate
AASHTO T89	Determining the Liquid Limit of Soils
AASHTO T90	Determining the Plastic Limit and Plasticity Index of Soils
AASHTO T176	Method of Test for Sand Equivalent
AASHTO T248	Reducing Field Samples of Aggregate to Testing Size
AASHTO T255	Total Moisture Content of Aggregate by Drying
AASHTO T265	Laboratory Determination of Moisture Content of Soils

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**Arizona Technical Testing Institute**

This is to certify that

**Robert Saunders**

has demonstrated the knowledge and ability by successfully  
completing the ATTI certification requirements  
and is hereby recognized as an  
**ATTI Field Technician**

Expires: September 2013

Achievement of ATTI certification requires a  
working knowledge of the following procedures:

ARIZ 104 ARIZ 105 ARIZ 225  
ARIZ 227 ARIZ 229 ARIZ 230  
ARIZ 232 ARIZ 235 ARIZ 246  
ARIZ 412 ASTM D140 AASHTO T248  
AASHTO T40 AASHTO T217

**Arizona Technical Testing Institute**  
8050 N. 19<sup>th</sup> Ave., #419, Phoenix, AZ 85021

7-01-2010  
DATE

This is to acknowledge the receipt of your letter/application dated 6-30-2010 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 other omissions or require additional information.
- Please provide to this office within 30 days of your receipt of this card:

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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** 573115.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

Sincerely,

*Colleen Munnahan*  
Licensing Assistant

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM LTS

Program Code: 03121  
Status Code: Pending *Amend*  
Fee Category: 3P  
Exp. Date:  
Fee Comments:  
Decom Fin Assur Req: N

### License Fee Worksheet - License Fee Transmittal

#### A. REGION

##### 1. APPLICATION ATTACHED

Applicant/Licensee: GRAHAM, DIETZ & ASSOCIATES  
Received Date: 07/12/2010  
Docket Number: 3037815  
Mail Control Number: 573115  
License Number: 49-29307-01  
Action Type: Amendment

##### 2. FEE ATTACHED

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

##### 3. COMMENTS

Signed: *Colleen Murnahan*  
Date: 7-12-2010

#### 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: \_\_\_\_\_