



## Pre-Licensing Screening

### Applicant Information:

Control No. 471538

Name: Aquirre Engineers, Inc.	Type of Request: New License Program Code(s):
Location: AZ	License No.:                      Docket No.: 030-37566

### STEP 1—Radioactive Materials and Quantities Requested:

<b>Instructions for Step 1: Complete Step 1 for all applications.</b> If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.	Yes or No
A. The request is from a new applicant. <i>former NRC licensee 05-27647-01</i>	No
B. NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.	No
C. The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer	No

### Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

Radionuclide	Risk Significant Quantity (TBq <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )	Radionuclide	Risk Significant Quantity (TBq <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )
<del>Am-241</del>	<del>0.6</del>	<del>16</del>	<del>Pm-147</del>	<del>400</del>	<del>11,000</del>
<del>Am-241/Be</del>	<del>0.6</del>	<del>16</del>	<del>Pu-238</del>	<del>0.6</del>	<del>16</del>
<del>Cf-252</del>	<del>0.2</del>	<del>5.4</del>	<del>Pu-239/Be</del>	<del>0.6</del>	<del>16</del>
<del>Cm-244</del>	<del>0.5</del>	<del>14</del>	<del>Ra-226<sup>2</sup></del>	<del>0.4</del>	<del>11</del>
<del>Co-60</del>	<del>0.3</del>	<del>8.1</del>	<del>Se-75</del>	<del>2</del>	<del>54</del>
<del>Cs-137</del>	<del>1</del>	<del>27</del>	<del>Sr-90 (Y-90)</del>	<del>10</del>	<del>270</del>
<del>Gd-153</del>	<del>10</del>	<del>270</del>	<del>Tm-170</del>	<del>200</del>	<del>5,400</del>
<del>Ir-192</del>	<del>0.8</del>	<del>22</del>	<del>Yb-169</del>	<del>3</del>	<del>81</del>

<sup>1</sup> The primary values are TBq. The curie (Ci) values are for informational purposes only.

<sup>2</sup> The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. <b>NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).</b>	Yes, No, or Not Applicable (NA)
Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide	—
Unity Rule—multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) ÷ (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) ÷ (risk significant quantity for radionuclide B)] ≥ 1.0.	—

### Signature and Date for Step 1:

SUTZ

OCT 19 2007

License Reviewer and Date

**From:** Roberto J Torres  
**To:** Colleen Murnahan  
**Date:** 10/18/2007 11:08:09 AM  
**Subject:** Control number 471461, Aguirre Engineers, 05-27647-01

Colleen:

I received notification today from the licensee that they changed corporate offices from Colorado to Arizona. Please change control number 471461 from an amendment to a termination of license 05-27647-01 and open a new control number for new license [REDACTED]. Can you please set this up today because control number 471461 is in day 85. Thanks.

*Chg made via  
LTS 4-75.*

*85008*

Aguirre Engineers, Inc.  
Compass Business Solutions, LLC  
4561 E. McDowell Rd  
Phoenix, AZ 85008

Oct 18, 2007

Roberto J. Torres  
Senior Health Physicist  
U.S. Nuclear Regulatory Commission, Region IV Division of Nuclear Materials Safety, Branch B  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011

**Subject: Notification of RSO status  
License No. 05-27647-01**

**RSO Status**

In response to our recent conversation regarding the change in designated RSO for Aguirre Engineers, Inc.

At this time we are in the process of designating a new RSO. We are not currently doing any work under this license without an RSO and will not be utilizing this license until we have successfully found a new RSO.

Once we have determined who will be the new RSO, we will notify you immediately.

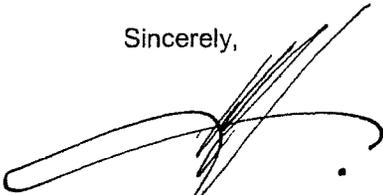
**Address**

Please update your administrative records to reflect that our new corporate head office is now at the following address:

Aguirre Engineers, Inc  
Compass Business Solutions, LLC  
4561 E. McDowell Road  
Phoenix, AZ 85008

All documentation regarding this NRC license should now be directed to this address and to my attention.

Sincerely,

A handwritten signature in black ink, appearing to read 'Neal Deacon', with a large, sweeping flourish extending to the left.

Neal Deacon  
Vice President of Operations.

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS

Program Code: 3  
Status Code: 3  
Fee Category: 0  
Exp. Date: 0  
Fee Comments:  
Decom Fin Assur Req'd:

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
Applicant/Licensee: ACQUIRE ENGINEERS, INC.  
Received Date: 20071018  
Docket No: 3037566  
Control No.: 471538  
License No.:  
Action Type: New License

2. FEE ATTACHED

Amount: \$  
Check No.: /

3. COMMENTS

NO FEE FOR  
BENEFIT OF MRC.  
Signed: *Colleen Purshian*  
Date: 10-18-07

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 \_\_\_\_\_