

**Official Use Only - Security-Related Information**

**ACCEPTANCE REVIEW MEMO (ARM)**

<b>Licensee:</b>	Alaska Structural Inspections, LLC	<b>License No.:</b> 50-27774-01
<b>Docket No.:</b>	030-36572	<b>Mail Control No.:</b> 471033
<b>Type of Action:</b>	Amend	<b>Date of Requested Action:</b> 06-30-06
<b>Reviewer Assigned:</b>	Rachel	<b>ARM reviewer(s):</b> Cook

Response	Deficiencies Noted During Acceptance Review
<i>BB</i>	<p>[X] Open ended possession limits. Limit possession. Submit inventory. <i>I gave</i></p> <p>[X] Submit copies of most recent leak test results. - <i>Need to performance</i></p> <p>[ ] Add - delete IC license condition. Add IC paragraph in cover letter. <i>Subsequent</i></p> <p>[ ] Split license from cover letter. Add SUNSI marking to license. <i>Lic Amend</i></p> <p>[ ] Ask the licensee if they have any type-amount of EPAct Material. <i>Requested copies.</i></p>

**Reviewer's Initials:** *BB Browder* **Date:** *9/29/06*

- ☐ Yes ☐ No      Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.
- ☐ Yes ☐ No      Decommissioning notification should be completed within 30 days.
- ☐ Yes ☐ No      Termination request < 90 days from date of expiration
- ☐ Yes ☐ No      Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
- ☐ Yes ☐ No      TAR needed to complete action.

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

**SUNSI Screening according to RIS 2005-31**

☐ Yes ☒ No      **Non-Publicly Available, Sensitive** if any item below is checked

General guidance:

- \_\_\_\_\_ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- \_\_\_\_\_ Exact location of RAM (whether = or > than Category 3 or not)
- \_\_\_\_\_ Design of structure and/or equipment (site specific)
- \_\_\_\_\_ Information on nearby facilities
- \_\_\_\_\_ Detailed design drawings and/or performance information
- \_\_\_\_\_ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- \_\_\_\_\_ RAM quantities and inventory
- \_\_\_\_\_ Manufacturer's name and model number of sealed sources & devices
- \_\_\_\_\_ Site drawings with exact location of RAM, description of facility
- \_\_\_\_\_ RAM security program information (locks, alarms, etc.)
- \_\_\_\_\_ Emergency Plan specifics (routes to/from RAM, response to security events)
- \_\_\_\_\_ Vulnerability/security assessment/accident-safety analysis/risk assess
- \_\_\_\_\_ Mailing lists related to security response

**Branch Chief's and/or Sr. HP's Initials:** *JAC* **Date:** *7/21/06*

**Official Use Only - Security-Related Information**

**Pre-Licensing Screening**

**Applicant Information:**

**Control No. 471033**

Name: Alaska Structural Inspections, LLC	Type of Request: Amend Program Code(s):
Location: AK	License No.: 50-27774-01      Docket No.: 030-36572

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

<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	N/A
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.	N/A

**Signature and Date for Step 1:**

*Rachel S Browder*      9/29/06  
License Reviewer and Date



# Alaska Structural Inspections, LLC

340 E. 4<sup>th</sup> Avenue, Anchorage, Alaska 99501-2609  
Telephone: 907-222-6275 Fax: 907-222-6271 E-Mail: djohnson@ak-asi.com

RECEIVED

JUL 11 2006

DNMS

June 30, 2006

Ms. Judith Walker  
Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-4005

**RE: Request for License Amendment  
Materials License No. 50-27774-01**

Dear Ms. Walker:

Alaska Structural Inspections, LLC requests the following amendment to Line 10 of our Materials License:

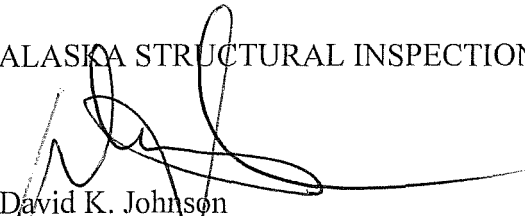
*10. Licensed material may be used or stored at the licensee's facility located at:*

- A. ~~6250 Tuttle Place, Unit #3, Anchorage Alaska~~ 340 E. 4th Avenue, Anchorage, Alaska*  
*B. Temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating licensed material.*

This letter also serves as notice of our new mailing address, which is provided above. Besides our change of physical and mailing address, all other information provided with our original license application, dated May 31, 2004, remains the same.

Best Regards,

ALASKA STRUCTURAL INSPECTIONS, LLC

  
David K. Johnson  
President / Radiation Safety Officer

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LEMS USE)  
INFORMATION FROM LTS  
-----

Program Code: 03121  
Status Code: 0  
Fee Category: 3P  
Exp. Date: 20140531  
Fee Comments:  
Decom Fin Assur Regd: N  
.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ALASKA STRUCTURAL INSPECTIONS, LLC  
Received Date: 20060711  
Docket No.: 3036572  
Control No.: 471033  
License No.: 50-27774-01  
Action Type: Amendment

2. FEE ATTACHED

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

3. COMMENTS

Signed Allen M. Muecke  
Date 7-20-06

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 \_\_\_\_\_



Alaska Structural Inspections, LLC  
340 E. 4th Avenue  
Anchorage, AK 99501-2609

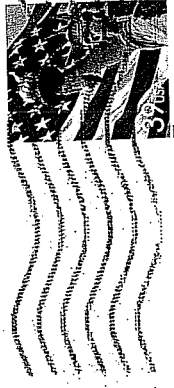
RECEIVED  
JUL 11 2006  
DNMS

Ms. Judith Walker

Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-4005

ANCHORAGE AK 995

05 JUL 2006 PM 1 L



76011-4005

