

Official Use Only - Security-Related Information

ACCEPTANCE REVIEW MEMO (ARM)

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

Response	Deficiencies Noted During Acceptance Review
BB	<input checked="" type="checkbox"/> Open ended possession limits. Limit possession. Submit inventory. <i>I gave up</i> <input checked="" type="checkbox"/> Submit copies of most recent leak test results. - <i>Need to perform actions</i> <input type="checkbox"/> Add - delete IC license condition. Add IC paragraph in cover letter. <i>subsequent</i> <input type="checkbox"/> Split license from cover letter. Add SUNSI marking to license. <i>Lic Amend</i> <input type="checkbox"/> Ask the licensee if they have any type-amount of EPAct Material. <i>Requested copies.</i>

Reviewer's Initials: BBrowder **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

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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:

Instructions for Step 1: Complete Step 1 for all applications. 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 ¹)	Risk Significant Quantity (Ci ¹)	Radionuclide	Risk Significant Quantity (TBq ¹)	Risk Significant Quantity (Ci ¹)
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 ²	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

¹ The primary values are TBq. The curie (Ci) values are for informational purposes only.

² 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. NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).	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. 4th Avenue, Anchorage, Alaska 99501-2609
Telephone: 907-222-6275 Fax: 907-222-6271 E-Mail: djohnson@ak-asi.com

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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:

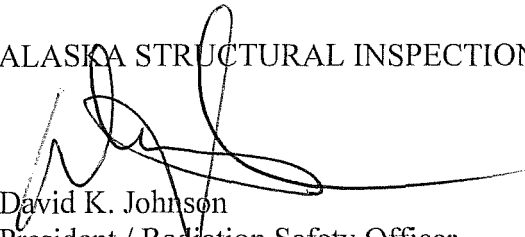
*A. ~~6250 Tuttle Place, Unit #3, Anchorage Alaska~~ **340 E. 4th Avenue, Anchorage, Alaska***

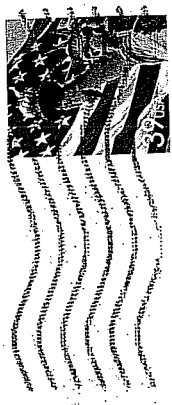
B. Temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating licensed material.

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



ANCHORAGE AK 995

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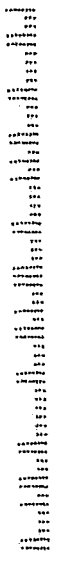
Alaska Structural Inspections, LLC
340 E. 4th Avenue
Anchorage, AK 99501-2609



Ms. Judith Walker

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