

## ACCEPTANCE REVIEW MEMO (ARM)

**Licensee:** Aspen Mountain, Inc.

**License No.:** 49-27432-01

**Docket No.:** 030-32729

**Mail Control No.:** 471291

**Type of Action:** Notification

**Date of Requested Action:** 03-05-07

**Reviewer Assigned:**

**ARM reviewer(s):** Torres

Response	Deficiencies Noted During Acceptance Review
	<input type="checkbox"/> Open ended possession limits. Limit possession. Submit inventory. <input type="checkbox"/> Submit copies of most recent leak test results. <input type="checkbox"/> Add - delete IC license condition. Add IC paragraph in cover letter. <input type="checkbox"/> Split license from cover letter. Add SUNSI marking to license. <input type="checkbox"/> Ask the licensee if they have any type-amount of EPA Act Material.

**Reviewer's Initials:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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

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

<b>SUNSI Screening according to RIS 2005-31</b>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Non-Publicly Available, Sensitive</b> if <u>any</u> 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
<b>Branch Chief's and/or Sr. HP's Initials:</b> <u>RTZ</u>	<b>Date:</b> <u>3-16-07</u>

**Pre-Licensing Screening**

**Applicant Information:**

**Control No. 471291**

Name: Aspen Mountain, Inc.	Type of Request: Amend Program Code(s):
Location: WY	License No.: 49-27432-01      Docket No.: 030-32729

**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.	2
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.	2
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	2

**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	—
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:**

RTZ 3-16-07  
 License Reviewer and Date

**Aspen Mountain, Inc.**  
ENGINEERING & SURVEYING SERVICES  
303 South Main – Suite 102, Sheridan, WYOMING 82801  
(307) 673-1675

March 5, 2007

Colleen Murnahan  
U.S. NRC Region IV  
Texas Health Resources Tower  
611 Ryan Plaza, Suite 400  
Arlington, TX 76011-4005

RECEIVED

MAR - 9 2007

DNMS

Dear Ms. Murnahan

*ML*  
Please be advised that Aspen Mountain, Inc. has had one of its Troexler Nuclear Densiometer gauges decommissioned. Please find enclosed documentation from Qal-Tek Associates with our license number, the gauge and the sources serial numbers, and all other pertinent information regarding the decommission.

If you require any additional information, or have any questions or comments, please contact me at your earliest convenience.

Best regards,

*Scott Looker*  
Scott Looker

V.P. Aspen Mountain, Inc.  
303 S. Main, Suite 102  
Sheridan, WY 82801  
(307) 752-4948  
slooker@bresnan.net

4 7 1 2 9 1



# Qal-Tek Associates

www.qaltek.com

## Instrumentation and Professional Services

Scott Looker  
Aspen Mountain, Inc.  
303 S. Main Street, Ste 102  
Sheridan, WY 82801

Date: 12/21/2006

This is to advise that the Radioactive Material as detailed below has been received by Qal-Tek Associates as of 12/14/2006 and we have taken custody of them:

If checked see attached spreadsheet

<u>Manufacturer</u>	<u>Model</u>	<u>Gauge / Source Serial Number</u>	<u>Isotope</u>	<u>Activity (mCi)</u>
Troxler	3411	5441 / CC-2516	Cs-137	10
Troxler	3411	5441 / CAA-1566	Am-241:Be	40

Please retain this record for your files. Should you require further assistance, please contact us at Qal-Tek Associates.

Regards,

Jared Eggleston  
Radioactive Source Disposal Specialist



3998 Commerce Circle  
 (208) 523-5557  
 www.qaltek.com

Idaho Falls, Idaho 83401  
 Fax (208) 524-8470

## Radioactive Source Disposal Transfer of Custody

### 1: CUSTOMER & LICENSE INFORMATION

Contact: <u>Scott Looker</u>	P.O. # if required: _____
Phone: <u>(307) 752-4948</u>	Fax: _____
License #: <u>49-27432-01</u>	Expiration Date: <u>August 31, 2012</u>
Ship From: <u>Aspen Mountain, Inc.</u>	Bill To: <u>Aspen Mountain, Inc.</u>
<u>303 S. Main Street, Ste 102</u>	<u>303 S. Main Street, Ste 102</u>
<u>Sheridan, WY 82801</u>	<u>Sheridan, WY 82801</u>

### 2: GAUGE/DEVICE/LICENSED MATERIAL INFORMATION

If Checked see attached spreadsheet

Manufacturer	Model	Serial Number	Isotope	Activity (mCi)	Current Leak Test Date
Troxler	3411	5441 / CC-2516	Cs-137	10	11/10/2006
Troxler	3411	5441 / CAA-1566	Am-241:Be	40	11/10/2006

Services Needed:  Disposal  Leak Test  Other \_\_\_\_\_

### 3: AUTHORIZATION

Permanent custody of above listed Licensed Material is hereby granted to - Qal-Tek Associates, NRC License # 11-27610-01

Authorized By:  
 Title: \_\_\_\_\_

Received By:  
 Date: \_\_\_\_\_

12-14-06

### 4: SHIPPING

Check all that apply for shipping method

<input type="checkbox"/> Prepaid	<input type="checkbox"/> Bill to customer invoice	Customer's FedEx Account# _____
<input type="checkbox"/> Motor Freight Carrier _____	FedEx <input type="checkbox"/> 1Day	<input type="checkbox"/> 2Day <input type="checkbox"/> 3Day
<input type="checkbox"/> Motor Freight Account _____	<input type="checkbox"/> Customer drop off	<input checked="" type="checkbox"/> Qal-Tek Transportation
<input type="checkbox"/> Other (describe) _____		

### 5: TRACKING INFORMATION

Custody of above listed Nuclear Density Gauge is returned to above listed Customer.

Received By:  
 or Carrier & PRO# \_\_\_\_\_

Date: \_\_\_\_\_

№ 471291

MAR 16 2007

DATE

This is to acknowledge the receipt of your letter/application dated 3-2-07, 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 additional 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   -   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** 471291.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

Sincerely,



Licensing Assistant

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS

Program Code: 03121  
Status Code: 0  
Fee Category: 3P  
Exp. Date: 20120831  
Fee Comments:  
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
Applicant/Licensee: ASPEN MOUNTAIN, INC.  
Received Date: 20070309  
Docket No: 3032729  
Control No.: 471291  
License No.: 49-27432-01  
Action Type: ~~AMENDMENT~~ NOTIFICATION

2. FEE ATTACHED

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

3. COMMENTS

Signed *Allen Thurman*  
Date 3-15-09

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 \_\_\_\_\_

303 S. Main, Suite 102  
Sheridan WY 82801

U.S. NRC Region IV

MAR - 9 2007

RECEIVED

Attn: Colleen Murnahan  
Texas Health Resources Tower

DNMS

611 Ryan Plaza, Suite 400  
Arlington, TX

44-27432-01

76011-4005

030 32729  
471291

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