

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: "G" Force **License No.:** 04-27766-01
Docket No.: 030-36407 **Mail Control No.:** 471234
Type of Action: Amend **Date of Requested Action:** 01-10-07
Reviewer Assigned: ARM reviewer(s): Torres & Cook

| 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 EPAct Material. |
| | |

Reviewer's Initials: _____ **Date:** _____

RAC

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: RITZ **Date:** 1/10/07

Pre-Licensing Screening

Applicant Information:

Control No. 471234

| | | |
|-----------------|--|-----------------------|
| Name: "G" Force | Type of Request: Amend Program Code(s): | |
| Location: CA | License No.: 04-27766-01 | Docket No.: 030-36407 |

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 | / |
| 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 1/11/07

License Reviewer and Date



CONSTRUCTION QUALITY ASSURANCE
MANAGEMENT
DVBE ♦ SB

FAX TRANSMITTAL

To: Ms. J. Cook

From: S. Larson

Company: USNRC IV

Date: 01/10/07

Fax Number: 817 860 8263

No. of Pages (incl. cover) 5

Phone Number: 817 860 8132

Project Name: RSD Appointment Project Number: RSD File

Re: "G" Force Change in RSD

RTRC

- Urgent
- For Review
- As Requested
- Please Comment
- Please Reply
- Original to Follow

Message:

Ms Cook,
Enclosed please find our request
to change the Radiation Safety Officer
appointment for our company.

Thanks!
Scott



DVBE SB

Construction Quality Assurance Management
Engineering Materials Testing Inspection Staffing
"Your Quality Partner"

Jacqueline D. Cook
Senior Health Physicist
Nuclear Material Licensing Board Region IV
Arlington, TX 76011

January 9, 2007

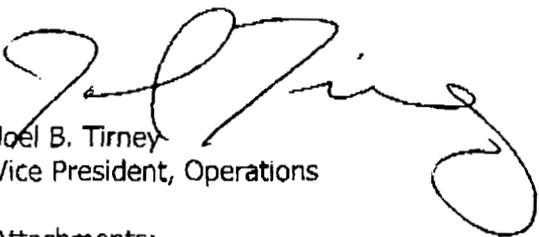
RE: Radioactive Material License and Document #04-27766-01
Request for appointments of new RSO for "G" Force
Updated Emergency Telephone Number List

Dear Ms. Cook,

Please be advised that Mr. Scott Larson, PE is the Radiation Safety Officer. Mr. John Inlow is the alternate Radiation Safety Officer for "G" Force.

Please find attached, copies of Mr. Larson's Gauge Operation Training and RSO Training certificates. We have also attached our emergency telephone list.

Respectfully,
"G" FORCE


Joel B. Tirney
Vice President, Operations

Attachments:

Certificate of Completion – Radiation Safety and Use of Nuclear Gauges
Certificate of Completion – Radiation Safety Officer Seminar for Nuclear Gauges
Emergency Phone Number

No. 2332

Certificate Of Completion

This is to certify that Scott Larson had completed the
CPN® Radiation Safety Officer Seminar for Nuclear Gauges,
held this 15 day of November 2006 in the
City of San Clemente State of CA by CPN International.

CPN International, Inc.
2830 Howe Road
Marina, CA 94553 USA
Phone: (925) 228-9770
Fax: (925) 228-6163



Charles D. Cherry
INSTRUCTOR
Douglas Carter
RADIATION SAFETY OFFICER

No 45537

Certificate Of Completion

This is to certify that Scott L. Larson has completed the basic CPN® training course on Radiation Safety and Use of Nuclear Gauges, held this 10th day of January 2006 in the City of San Clemente State of CA by CPN International.

CPN International, Inc.
2830 Howe Road
Martinez, CA 94553 USA
Phone: (925) 228-9770
Fax: (925) 228-3183



Charles D. Cherry
INSTRUCTOR
Douglas Carter
RADIATION SAFETY OFFICER

"G" Force Emergency Call Down List (updated January 10, 2007)

| Agent or Agency | Daytime No. | Evening No. |
|--|--------------|---------------|
| Radiation Safety Officer, Scott Larson | 619.583.6633 | |
| Asst. Radiation Safety Officer, John Inlow | 619.583.6633 | |
| Local Inspection Agency (Radiologic Health Branch, Brea) | 714.257.2025 | |
| Regulatory Agency (Radiologic Health Branch, Sacramento) | 916.327.5106 | 800.852.7550* |
| Regulatory Agency (Radiologic Health Branch, Brea) | 714.257.2025 | |
| CPN | 925.228.9770 | |
| San Diego Police Department, Business | 619.531.2000 | |
| San Diego Police Department, Emergency | 911 | |
| San Diego Fire Department, Business | 619.533.4300 | |
| San Diego Fire Department, Emergency | 911 | |
| Emergency Services, CA State Warning Center | 916.845.8911 | 800.852.7550* |

* 24-Hour Emergency No.

| | Office | Home, Evening | Cellular |
|--|--------------|---------------|--------------|
| Radiation Safety Officer, Scott Larson | 619.583.6633 | | 619.929-4735 |
| Asst. Radiation Safety Officer, John Inlow | 619.583.6633 | | 619.507.9074 |



8788 Balboa Avenue ♦ San Diego, CA 92123 • 619-583-6633 ♦ Fax 619-583-6654
 3536 Concoors Avenue, Suite 110 ♦ Ontario, CA 91764 ♦ 909-481-6833 ♦ Fax 909-481-4642

www.gforceca.com

4 7 1 2 3 4

JAN 16 2007

This is to acknowledge the receipt of your letter/application dated
01-09-07, and to inform you that the initial processing,
which includes an administrative review, has been performed.

DATE

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:

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** 471234.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Colleen Murnahan
Licensing Assistant

