

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: SCG, Inc., dba Earth Systems License No.: 04-08357-02
Southern Calif.
Docket No.: 030-28627 **Mail Control No.:** 471531
Type of Action: Amend **Date of Requested Action:** 10-03-07
Reviewer Assigned: ARM reviewer(s): Torres

Response	Deficiencies Noted During Acceptance Review
	[] Open ended possession limits. Limit possession. Submit inventory. [] Submit copies of most recent leak test results. [] Add - delete IC license condition. Add IC paragraph in cover letter. [] Split license from cover letter. Add SUNSI marking to license. [] Ask the licensee if they have any type-amount of EPAct 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:** _____

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: *ATC* _____ **Date:** OCT 12 2007

Pre-Licensing Screening

Applicant Information:

Control No. 471531

Name: SCG, Inc., dba Earth Systems Southern Calif.	Type of Request: Amend Program Code(s): 03121
Location: CA	License No.: 04-08357-02 Docket No.: 030-28627

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.

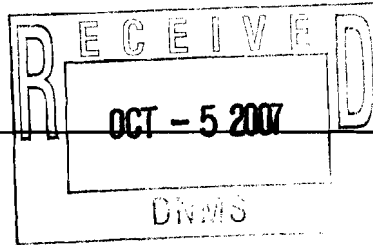
Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities 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:

OCT 12 2007
 License Reviewer and Date



Earth Systems
Southern California



1731-A Walter Street
Ventura, CA 93003
(805) 642-6727
FAX (805) 642-1325

October 3, 2007

Nuclear Materials Licensing Section
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Subject: Notification of Proposed Change of RSO
Ref.: NRC Materials License No. 04-08357-02 (Docket No. 030-28627).

This letter is written to inform you that there will be a change of the Radiation Safety Officer for Earth Systems Southern California. The current RSO, Patrick Boales, will be replaced by Tim Thomson. Mr. Thomson has been serving as the Alternate RSO in the Palmdale office at 1024 West Avenue M-4. (Mr. Thomson's RSO training certificate is attached to this letter.) Mr. Thomson will continue to operate out of the Palmdale office; therefore, the most complete files will be maintained in Palmdale (whereas they were previously maintained at Ventura). The Alternate RSO at the Ventura office will remain Jeff Wolff.

Mr. Boales will continue to serve as RSO until we receive approval notification from your office.

Please call if you have any questions.

Respectfully submitted,
EARTH SYSTEMS SOUTHERN CALIFORNIA

Patrick V. Boales
Engineering Geologist/Radiation Safety Officer

Attach: Tim Thomson's RSO Training Certificate

Copies: 2 - NRC
1 - VTA File

No. 4 7 1 5 3 1

No 1107

Certificate Of Completion

This is to certify that Tim Thomson has completed the
CPN® Radiation Safety Officer Seminar for Nuclear Gauges,
held this 16th day of November 2000 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) 228-3103



Charles D. Cherry
INSTRUCTOR
Douglas Carter
RADIATION SAFETY OFFICER

11531



Earth Systems
Southern California

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October 3, 2007

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2830 Howe Road
Martinez, CA 94553 USA
Phone: (925) 228-9770
Fax: (925) 228-3103



Charles D. Cherry
INSTRUCTOR
Douglas Carter
RADIATION SAFETY OFFICER

471531

OCT 11 2007

DATE

This is to acknowledge the receipt of your letter/application dated 10-03-07, 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:

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** 471531.
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: 20101231
: Fee Comments:
: Decom Fin Assur Reqd: N
:

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: SCG, INC.
Received Date: 20071005
Docket No: 3028627
Control No.: 471531
License No.: 04-08357-02
Action Type: Amendment

2. FEE ATTACHED

Amount:
Check No.: /

3. COMMENTS

Signed Colleen Murnaghan
Date 10-11-07

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 _____

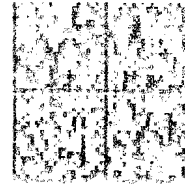
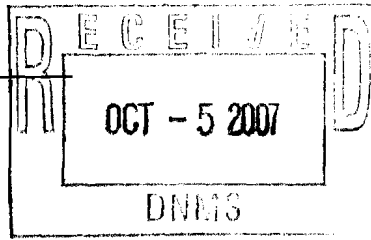
Signed _____
Date _____



Earth Systems
Southern California

1731-A Walter Street
Ventura, CA 93003

Address Correction Requested



POSTAGE
PAID
93003
VENTURA, CA
PERMIT NO. 1000

POSTAGE
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VENTURA, CA
PERMIT NO. 1000

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U.S. Nuclear Regulatory Commission, Region V
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

RETURN POSTAGE GUARANTEED

AT 10 31

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