



Advanced Instrumentation for Density
& Moisture Testing of Soils & Pavements

CPN International, Inc.
4057 Port Chicago Highway, Suite 100
Concord, CA 94520 USA
Phone: (925) 363-9770
Fax: (925) 363-9385
e-mail: cpn@cpn-intl.com

RECEIVED

MAR 12 2008

DNMS

March 5, 2008

U.S. Nuclear Regulatory Commission
Region V
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-4005

Re: Request to amend NRC RML No. 04-29117-01 to name a new Radiation Safety Officer.

Dear Sirs:

This letter is to request that Mr. Sean Reilly replace Douglas Carter as the Radiation Safety Officer on our Radioactive Material License No. 04-29117-01. Sean Reilly's Statement of Training and Experience and supporting certifications are enclosed.

This request requires amendment to License Condition No. 12. Please contact Mr. Sean Reilly (telephone extension # 122, e-mail: sean@cpn-intl.com) if you need additional information to process this request.

Sincerely,

Douglas Carter
Radiation Safety Officer (until March 5, 2008)
CPN International, Inc.

cc: Jerry Woodbury
President
CPN International, Inc.

Enclosures

STATEMENT OF TRAINING AND EXPERIENCE

(Use additional sheets as necessary.)

Instructions: Each individual proposing to use radioactive material is required to submit a Statement of Training and Experience (RH 2050 A) in duplicate to: California Department of Health Services, Radiologic Health Branch, MS 7610, Licensing Section, P.O. Box 997414, Sacramento, CA 95899-7414. Physicians should request form RH 2000 A when applying for human-use authorizations. Radiographers should request form RH 2050 IR. For more information, go to www.dhs.ca.gov/rhb or phone (916) 327-5106.

1. Name of proposed user <i>Sam Keith</i>	Position title <i>Service Manager</i>		
Employer address (number, street)	City <i>Antioch</i>	State <i>CA</i>	ZIP code <i>94505</i>
Radioactive materials license number	Radioactive materials license name		

2. Training

a. College or university Yes No

Name of college or university
Diablo Valley College

City
Pleasant Hill

State
CA

Years completed
3

Degree
AA

Course of study
Electronics - Gen Ed.

b. Education specifically applicable to use of radioactive material

3. Experience

a. List experience with use of radioactive materials beginning with most recent:

(1) Dates From: *1980* To: *2006* Employer
CPN Corp, CPN International

Title(s) and duties
Service Manager - Alternator RSO Equip. Tech.

Radioactive materials license number _____ Date _____

Employer address (number, street)
4057 Port Chicago Hwy ^{Suite 100} City
Concord State
CA ZIP code
94520

(2) Dates From: _____ To: _____ Employer _____

Title(s) and duties _____

Radioactive materials license number _____ Date _____

Employer address (number, street) _____ City _____ State _____ ZIP code _____

(3) Dates From: _____ To: _____ Employer _____

Title(s) and duties _____

Radioactive materials license number _____ Date _____

Employer address (number, street) _____ City _____ State _____ ZIP code _____

(4) Dates From: _____ To: _____ Employer _____

Title(s) and duties _____

Radioactive materials license number _____ Date _____

Employer address (number, street) _____ City _____ State _____ ZIP code _____

b. Indicate the facilities and operations where training was received and refer to Part 3.a. when answering the following:

- | | | | | |
|--|---|------------------------------|------------------------------|------------------------------|
| <input type="checkbox"/> Laboratories using radiochemicals | <input type="checkbox"/> (1) | <input type="checkbox"/> (2) | <input type="checkbox"/> (3) | <input type="checkbox"/> (4) |
| <input type="checkbox"/> Restricted area laboratories | <input type="checkbox"/> (1) | <input type="checkbox"/> (2) | <input type="checkbox"/> (3) | <input type="checkbox"/> (4) |
| <input type="checkbox"/> Glove boxes | <input type="checkbox"/> (1) | <input type="checkbox"/> (2) | <input type="checkbox"/> (3) | <input type="checkbox"/> (4) |
| <input type="checkbox"/> Field operations | <input checked="" type="checkbox"/> (1) | <input type="checkbox"/> (2) | <input type="checkbox"/> (3) | <input type="checkbox"/> (4) |
| <input type="checkbox"/> Environmental applications | <input type="checkbox"/> (1) | <input type="checkbox"/> (2) | <input type="checkbox"/> (3) | <input type="checkbox"/> (4) |
| <input checked="" type="checkbox"/> Other (please describe) <u>Nuclear Gauge Manufacturing</u> | <input checked="" type="checkbox"/> (1) | <input type="checkbox"/> (2) | <input type="checkbox"/> (3) | <input type="checkbox"/> (4) |

c. Radioactive materials previously used. Identify typical radioisotopes in appropriate box and refer to Part 3.a. on page 1:

	QUANTITIES HANDLED			
	(a) Microcuries	(b) Millicuries	(c) Curies	(d) Kilocuries
(1) Sealed sources	<i>Cf 252</i> <i>Co 60</i>	(1) Cs-137	<i>10 mci</i>	
(2) Unsealed Alpha emitters				
(3) Unsealed beta-gamma emitters				
(4) Neutron sources	<i>Cf 252</i>	(1) Am-241/Be	<i>50 mci</i>	

d. Describe the procedures similar to those proposed in which you have had experience. Indicate months or years for each and refer to Part 3.a. on page 1.

See page 1, Item 3, Experience

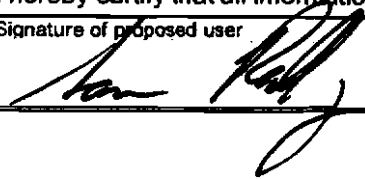
4. Certificate

The information you are asked to provide on this form is requested by the California Department of Health Services, Radiologic Health Branch. This notice is required by Section 1798.17 of the Information Practices Act of 1977 (Code of Civil Procedure, Section 1798-1798.76) and the Federal Privacy Act to be provided whenever an agency requests personal or confidential information from any individual. It is mandatory that you furnish the information requested on this form. Failure to furnish the requested information may result in an inaccurate determination of statements and/or disapproval of your application.

I hereby certify that all information contained in this statement is true and correct.

Signature of proposed user

Date



October 30, 2006

Nº 18699

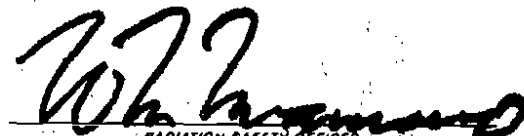
Certificate Of Completion

This is to certify that SEAN REILLY has completed the
basic training course on *Radiation Safety and Use of Nuclear Gauges*,
held this 18th day of March 1981, held in the
City of Pacheco State of California by CPN Company.



INSTRUCTOR
David Hart


CPN
COMPANY
2830 Howe Road
Martinez, California USA 94553



RADIATION SAFETY OFFICER
William Mancuso

M
471751

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: CPN International, Inc. **License No.:** 04-29117-01
Docket No.: 030-34582 **Mail Control No.:** 471751
Type of Action: Amend **Date of Requested Action:** 03-05-08
Reviewer Assigned: **ARM reviewer(s):** Torres

Response	Deficiencies Noted During Acceptance Review
	<input type="checkbox"/> Open ended possession limits. Submit inventory. Limit possession. <input type="checkbox"/> Submit copies of latest leak test results. <input type="checkbox"/> Add IC L.C./Fingerprint LC, add SUNSI markings to license. <input type="checkbox"/> Confirm with licensee if they have NARM material.

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

- Yes No Request for unrestricted release Group 2 or >. Consult with Bravo Branch.
 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 HP's Initials: _____ **Date:** _____

SUNSI Screening according to RIS 2005-31

Yes No **Sensitive and Non-Publicly Available** 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 HP's Initials: ATR **Date:** APR - 2 2008

Checklist to Ensure That Radioactive Material Will Be Used as Intended

Applicant Information:

Control No. 471751

Name: CPN International, Inc.	Type of Request: Amend Program Code(s): 03225	
Location: CA	License No.: 04-29117-01	Docket No.: 030-34582

STEP 1, ITEM A - INITIAL SCREENING

Instructions for Step 1: Complete Step 1 for all applications. If Step 1, Items A and B, are "YES" then do not complete Step 2. Sign and date the completed form and add it to ADAMS as Non-Sensitive and Non-Publicly Available. If a "NO" response is indicated for Item A or Item B, add the completed form to ADAMS as Sensitive and Non-Publicly Available, and complete Step 2 (Additional Screening). If the type of use is subject to a Security Order, complete Step 3, Item A, without delay. If the additional requirements for increased controls will be applied or voided, complete Step 3, Item B, without delay.	YES or NO
A. The applicant is a known entity or a licensee transferring control to a known entity. This determination has been made using the screening criteria in Worksheet A below.	Yes

Worksheet A

Instructions for Worksheet A: Answer each of the 6 questions below by placing a "Yes", "No", or "NA" response in the column on the right. Best practices for a reviewer are provided after each of the questions. If the answer to any of the 6 questions is "Yes" then indicate "Yes" in Step 1, Item A, above. If the answers to all of the 6 questions is "No" then indicate "No" in Step 1, Item A, above. NOTE - If the reviewer has personal knowledge of the applicant's veracity, this can be taken into account in responding to any questions. For example, if the applicant's management and/or RSO have been associated with a current or previous NRC or Agreement State license, then the applicant may be considered as a known entity.	YES, NO, or NA
1. Does the applicant have a current Agreement State or NRC license? The reviewer should 1) confirm that a valid license/registration/authorization exists for the applicant; and 2) compare the current license to the application to verify that the application represents a reasonable expansion of the licensee's operation (i.e., medical facility adding a gamma knife or an Agreement State licensee obtaining an NRC license in order to work in NRC jurisdiction without filing reciprocity).	Yes
2. Does the applicant have a current Agreement State or NRC license at another location and the new application represents the addition of a new facility within the scope of the licensee's core business? The reviewer should contact the appropriate licensing authority to confirm that a valid license/registration/authorization exists for the applicant and the corporate office of the licensee to verify that it has knowledge of and approves of the new application.	
3. Does the applicant have a current State or Federal government license, registration, authorization, etc., for other operations within the scope of its proposed license activities? (e.g., a company authorized by a State for mining that is now requesting authorization to use fixed gauges). The reviewer should contact the appropriate government office to confirm that the license, registration, authorization, etc., is valid; and the applicant's corporate office to confirm that it has knowledge of and approves of the new application to possess radioactive materials.	
4. Is the applicant a local, State or Federal government agency? The reviewer should contact the local, State or Federal government office to confirm that the applicant is a government entity.	
5. Does the application only involve the relocation of an existing licensee, or its mailing address, to another State? This includes new licenses created from existing licenses listing locations in multiple States, in preparation for transfer of licenses to States that will shortly sign an Agreement with the NRC.	
6. Is the application only the result of a licensee failing to submit a renewal application in a timely manner?	

STEP 1, ITEM B - INITIAL SCREENING CONTINUED

B. The applicant is requesting certain radionuclides and quantities that are less than the Risk Significant Quantity (TBq) values in Worksheet B, below, as "highlighted" by the reviewer, or is currently subject to a security order or additional requirements for increased controls. If "Yes", there is no need to proceed further.

N/A

Worksheet B - 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

² The primary values are TBq. The curie (Ci) values are for informational purposes only. 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 were completed. 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 is less than the Risk Significant Quantity (TBq) for the radionuclide.	
Unity Rule—multiple radionuclides are requested and the sum of the ratios is less than 1.0, 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.	

APR 2 2008

Signature and Date for Step 1:


License Reviewer and Date

APR -14 2008

DATE

This is to acknowledge the receipt of your letter/application dated 3-05-08, 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** 471751.
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: 03225
: Status Code: 0
: Fee Category: 3P
: Exp. Date: 20180228
: Fee Comments: _____
: Decom Fin Assur Reqd: N
:

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: CPN INTERNATIONAL, INC.
Received Date: 20080312
Docket No: 3034582
Control No.: 471751
License No.: 04-29117-01
Action Type: Amendment

2. FEE ATTACHED

Amount: _____
Check No.: /

3. COMMENTS

Signed *Colleen M. ...*
Date 3-31-08

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 _____

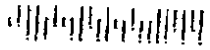


4057 Port Chicago Highway, Suite 100
Concord, CA 94520
Sean Reilly

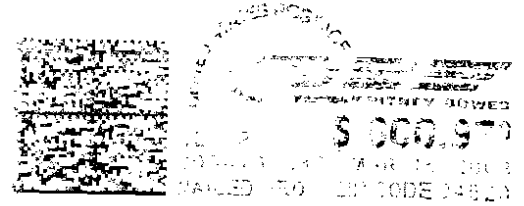


U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Dr, Ste 400
Arlington, TX, 76011-4005
Attn: Radioactive Material License
Amendment

471751



gnway, Suite 100



U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Dr, Ste 400
Arlington, TX, 76011-4005
Attn: Radioactive Material License
Amendment

4 2 1 7 5 1