



SANDRA SHEWRY
Director

State of California—Health and Human Services Agency
Department of Health Services



ARNOLD SCHWARZENEGGER
Governor

July 9, 2004

NOTICE OF RECEIPT OF RENEWAL APPLICATION FOR REVIEW

David L. Patterson, Director, EH&S
Radiation Safety Officer
California State Polytechnic University, Pomona
3801 W. Temple Avenue
Pomona, CA 91768

DOCKET NUMBER: 070904-0496

LICENSE NUMBER: 0496-19

APPLICATION DATE: 7-7-04

The above-noted renewal application has been docketed for review. Your application is deemed timely and accordingly, the license will not expire until final action has been taken by the Department. This application will be taken up in the order received.

Correspondence or other communication concerning the above-noted application must be submitted **in duplicate** and should make clear reference to your assigned docket number pertaining to this specific request. Future requests, not related to the above request, will be assigned a new docket number.

Thank you.

RADIOACTIVE MATERIALS LICENSING UNIT

RADIOACTIVE MATERIAL LICENSE

Pursuant to the California Code of Regulations, Division 1, Title 17, Chapter 5, Subchapter 4, Group 2, Licensing of Radioactive Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, use, possess, transfer, or dispose of radioactive material listed below; and to use such radioactive material for the purpose(s) and at the places(s) designated below. This license is subject to all applicable rules, regulations, and orders of the California Department of Public Health now or hereafter in effect and to any standard or specific condition specified in this license.

<p>1. Licensee California State Polytechnic University Pomona</p> <p>2. Address: 3801 Temple Avenue Pomona, CA 91768-4031</p> <p>Attention: J. Michael Ortiz, M.D. President</p>	<p>3. License Number 0496-19 Amendment Number : 37</p> <p>4. Expiration date July 12, 2004 (3)</p> <p>5. Inspection agency Radiologic Health Branch South</p>
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In response to the letter dated March 6, 2008, signed by J. Michael Ortiz, President, License Number 0496-19 is hereby amended as follows:

6. Nuclide	7. Form	8. Possession Limit
A. Hydrogen 3	A. Any	A. Not to exceed 100 millicuries.
B. Any radionuclide with atomic number 3-83	B. Any	B. Not to exceed 10 ² times the amount listed in Sec. 30235, Schedule A of Title 17, California Code of Regulations, per nuclide and .01 microcurie for any unlisted alpha emitters, total not to exceed .1 Curie.
C. Any radionuclide with atomic number 3-83	C. Sealed sources	C. Not to exceed 100 millicuries per source, a total of 2 Curies.
D. Any radionuclide with atomic number 84-105, except source and special nuclear material.	D. Any	D. Not to exceed 10 ² times the amount listed in Sec. 30235, Schedule A of Title 17, California Code of Regulations, per nuclide and .01 microcurie for any unlisted alpha emitters, total not to exceed 10 microcuries.
E. Any radionuclide with atomic number 84-105, except source and special nuclear material.	E. Sealed sources	E. Not to exceed 10 millicuries each. 50 millicuries total.
F. Source material	F. Any	F. Not to exceed 15 pounds.
G. Special nuclear material	G. Any	G. Not to exceed 0.1 micrograms total.
H. Special nuclear material	H. Sealed sources (encapsulated in stainless steel and closed by to independent fusion welds).	H. Not to exceed 10 grams.
I. Carbon-14	I. Any	I. Not to exceed 25 millicuries.
J. Phosphorus-32	J. Any	J. Not to exceed 25 millicuries.
K. Sulphur-35	K. Any	K. Not to exceed 100 millicuries.
L. Iodine-125	L. Any	L. Not to exceed 10 millicuries.
M. Californium-252	M. Sealed source (Amersham/Searle Corp. Model CVN-12)	M. 1 source not to exceed 116 millicuries.
N. Americium-241/Beryllium	N. Sealed source (CPN-No. 131)	N. 1 source Not to exceed 50 millicuries.

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6. Nuclide	7. Form	8. Possession Limit
O. Sodium-22	O. Any	O. Not to exceed 1.0 millicuries.

9. Authorized Use

To be used for nuclear medicine procedures as specified in groups below:

- A. – L. To be used for research and development as defined in 17 CCR 30100 (t) of the California Radiation Control Regulations.
- M. To be used in a J. L. Sheperd Neutron Howitzer Model 179, for irradiation of materials.
- N. To be used as a component of a gauge, Campbell Pacific Nuclear Model 503, for determination of moisture in engineering materials.
- O. To be used as tracer in biological studies.

LICENSE CONDITIONS

10. Radioactive material shall be used only at the following location:

- (a) The Licensee's facilities at 3801 West Temple Avenue, Pomona, CA.

11. This license is subject to an annual fee for sources of radioactive material authorized to be possessed at any one time as specified in Items 6, 7, 8 and 9 of this license. The annual fee for this license is required by and computed in accordance with Title 17, California Code of Regulations, Sections 30230-30232 and is also subject to an annual cost-of-living adjustment pursuant to Section 100425 of the California Health and Safety Code.

12. All uses of radioactive material under this license shall be conducted in accordance with the user's application to and modifying requirements of the Radiation Safety Committee, and designation in writing by the Radiation Safety Officer.

13. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, 8 and 9 of this license in accordance with the statements, representations, and procedures contained in the documents listed below. The Department's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- (a) The application, with cover letter, dated June 24, 1992, signed by Bob H. Suzuki, President.
- (b) The letter, with attachments, dated April 18, 1995, signed by David L. Patterson, Acting Director, Radiation Safety Officer, Environmental Health and Safety, regarding leak testing procedures.
- (c) The letter dated April 1, 1999, with attachments, requesting removal of radionuclides from their license and that their survey meters be calibrated annually by an outside organization.

14. (a) The Radiation Safety Officer in this program shall be David L. Patterson.

- (b) The Chairperson of the Radiation Safety Committee shall be **Peter B. Siegel, M.D.**

- (c) **The Custodian of Sealed Sources in this program shall be David L. Patterson**

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15. Sealed sources possessed under this license shall be tested for leakage and/or contamination as required by Title 17, California Code of Regulations, Section 30275 (c).
16. In lieu of the leak test intervals required by California Code of Regulations, Title 17, Section 30275 (c), sealed sources can be tested for leakage and/or contamination at longer intervals when they are specified in a certificate of registration issued by the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State. When a longer interval stipulated in a certificate of registration is used, the certificate must be maintained on file and available for inspection for as long as the associated leak test records are retained.
17. The following individuals are authorized to collect wipe test samples of sealed sources possessed under this license using leak test kits acceptable to the California Department of Public Health:
 - (a) The Radiation Safety Officer
 - (b) Qualified individuals designated in writing by the Radiation Safety Officer
18. Records of leak test results shall be kept in units of microcuries and maintained for inspection. Records may be disposed of following Department inspection. Any leak test revealing the presence of 0.005 microcuries or more of removable radioactive material shall be reported to the Department of Health Services, Radiologic Health Branch MS 7610, P.O. Box 997414, Sacramento, CA 95899-7414, within five days of the test. This report shall include a description of the defective source or device, the results of the test, and the corrective action taken.
19. Except for alpha sources, the periodic leak test required by Condition 15 does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
20. Any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
21. The licensee shall conduct a physical inventory every six months to account for all sealed sources and/or devices received and possessed under the license. Records of the inventories shall be maintained for inspection, and may be disposed of following Department inspection.
22. The licensee is authorized to hold radioactive materials with a physical half-life of less than 65 days for decay in storage before disposal in ordinary trash provided:
 - (a) Radioactive waste to be disposed of in this manner shall be held for decay in storage for at least 10 half-lives.
 - (b) Before disposal as normal waste, radioactive waste shall be surveyed to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
23. Maintenance and repair of soil gauges shall be performed only by persons specifically authorized to perform those services.
24. The licensee shall comply with all requirements of Title 17, California Code of Regulations, Section 30373 when transporting or delivering radioactive materials to a carrier for shipment. These requirements include; packaging, marking, labeling, loading, storage, placarding, monitoring, and accident reporting. Shipping papers shall be maintained for inspection pursuant to the U.S. Department of Transportation requirements (Title 49, Code of Federal Regulations, Part 172, Sections 172.200 through 172.204).
25. This license does not authorize distribution to persons licensed pursuant to Title 17, California Code of Regulations, Section 30195 (a) and (b) or equivalent provisions of the U.S. Nuclear Regulatory Commission or Agreement States.
26. This license does not authorize commercial distribution of radioactive material.

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27. The Radiation Safety Officer shall establish measures for the security of devices possessed and transported under authority of this license. The Radiation Safety Officer shall ensure security measures required by this license meet the following minimum standards:
- (a) Transport vehicles must be equipped to provide security of the transport case. The method selected must provide for a fixed and permanent attachment to vehicle frame. When secondary containers are used for the Type A package they shall be attached to the vehicle with the use of a tamper resistant fasteners to the frame of the transport vehicle.
 - (b) A minimum of two locks shall be placed between radioactive sources and the public when the device is being transported, in addition to the locks securing the Type A package to the vehicle.
 - (c) Transport vehicles must be equipped with a security device (such as an alarm system) capable of deterring unauthorized entry, access and use of the vehicle.
 - (d) Local law enforcement shall be notified immediately in the event of loss or theft.
28. **The licensee will provide the Low Level Radioactive Waste (LLRW) reports specified in the California Health and Safety Code section 115000.1(h) to the California Department of Public Health (CDPH) on an annual basis for both shipped and stored LLRW. Alternatively, LLRW shipment information may be provided on a per shipment basis. LLRW shipment information and annual reports shall be mailed to:**

**Attn: LLRW Tracking Program
 California Department of Public Health
 Radiologic Health Branch MS 7610
 P.O. Box 997414
 Sacramento, CA 95899-7414**

29. A copy of this license and a copy of all records and documents pertaining to this license shall be maintained available for inspection at 3801 West Temple Avenue, Pomona, CA.

Issued for the State of California Department of Public Health



Date: April 29, 2008

By: _____

Radiologic Health Branch, MS 7610
 P.O. Box 997414
 Sacramento, CA 95899-7414