



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BOULEVARD, SUITE 400
ARLINGTON, TEXAS 76011-4125

July 14, 2008

Quantel USA
ATTN: Jason A. Yager
Radiation Safety Officer
601 Haggerty Lane, Suite C
Bozeman, Montana 59715

SUBJECT: LICENSE AMENDMENT

Please find enclosed Amendment No. 03 to License No. 25-27639-01 **changing your company name to Quantel USA and removing Lucas Zemlicka as an authorized user, as requested.** An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14)(v). You should review this license carefully and be sure that you understand all conditions. You can contact me at 817-860-8189 if you have any questions about this license.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your radiation safety program according to the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate by NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC in writing of any change in mailing address.
3. In accordance with 10 CFR 30.36(d), notify NRC, promptly, in writing within 60 days, and request termination of the license:
 - a. When you decide to terminate all activities involving materials authorized under the license whether at the entire site or any separate building or outdoor area;
 - b. If you decide not to acquire or possess and use authorized material; or
 - c. When no principal activities under the license have been conducted for a period of 24 months.
4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;
 - b. Order byproduct material more than the amount or form authorized on the license;

- c. Add or change the areas or address(es) of use identified in the license application or on the license; or
 - d. Change the name or ownership of your organization.
5. Submit a complete renewal application or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

NRC will periodically inspect your radiation safety program. Failure to conduct your program according to NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the NRC Enforcement Policy. The NRC Enforcement Policy is available on the following internet address: <http://www.nrc.gov/reading-rm/doc-collections/enforcement/> .

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Thank you for your cooperation.

Sincerely,

/RA/

Roberto J. Torres, Senior Health Physicist
Nuclear Materials Safety Branch B

Docket: 030-35151
License: 25-27639-01
Control: 471780

Enclosure: As stated

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee 1. Quantel USA 2. 601 Haggerty Lane, Suite C Bozeman, Montana 59715	In accordance with letter dated April 10, 2008 3. License number 25-27639-01 is amended in its entirety to read as follows: 4. Expiration date September 30, 2009 5. Docket No. 030-35151 Reference No.
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| 6. Byproduct, source, and/or special nuclear material

A. Polonium-210

B. Americium-241 | 7. Chemical and/or physical form

A. Any foils or plated sources registered either with NRC under 10 CFR 32.210(e) or with an Agreement State.

B. Any foils or plated sources registered either with NRC under 10 CFR 32.210(e) or with an Agreement State. | 8. Maximum amount that licensee may possess at any one time under this license

A. Not to exceed 20 millicuries per source or foil and 1 curie total

B. Not to exceed 20 millicuries per source or foil and 1 curie total |
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9. Authorized use:
 A. and B. For use in research and development as defined in 10 CFR 30.4.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at the Life of Montana Building, 601 Haggerty Lane, Bozeman, Montana.
11. A. Licensed material shall be used by, or under the supervision of Jason A. Yager, or any individual who has received the training described in application dated July 19, 1999. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

 B. The Radiation Safety Officer for this license is Jason A. Yager.
12. The licensee shall use only foils or plated sources for which a sealed source registration certificate has been issued by the U. S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210(e) or an Agreement State. Possession and use of the foils or plated sources used must adhere to the conditions and limitations of the registration certificate.

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SUPPLEMENTARY SHEET**License Number
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030-35151

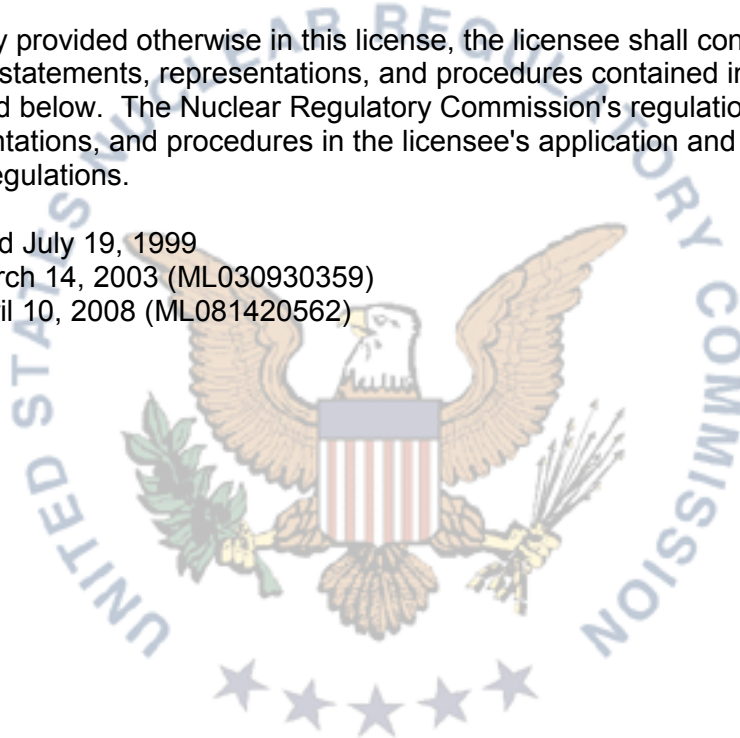
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13. Foils or plated sources containing licensed material shall not be opened.
14. A. Foils or plated sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a foil or plated source received from another person shall not be put into use until tested.
- C. Foils or plated sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 micro curies of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the foil or plated source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 612 East Lamar Boulevard, Suite 400, Arlington, Texas 76011-4125, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the foil or plated source involved, the test results, and corrective action taken.
- E. Test for leakage and/or contamination, limited to leak test sample collection shall be performed by persons specifically licensed by the U. S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis. Analysis of leak test samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.

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15. Maintenance, repair, cleaning, replacement, and disposal of foils or plated sources shall be performed only by the foil or plated source manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. The licensee shall conduct a physical inventory every 6 months to account for all foils or plated sources received and possessed under the license.
17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated July 19, 1999
 - B. Letter dated March 14, 2003 (ML030930359)
 - C. Letter dated April 10, 2008 (ML081420562)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date July 14, 2008By /RA/
Roberto J. Torres, Senior Health Physicist
Nuclear Materials Safety Branch B
Region IV
Arlington, Texas 76011