



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 13, 2005

Docket Nos. 030-05422
030-10673
030-36954

License Nos. 29-12783-01
29-12783-02G
29-12783-04E

Christopher Cox
President & Radiation Safety Officer
Princeton Gamma-Tech Instruments, Inc.
1026 Route 518
Rocky Hill, NJ 08553

SUBJECT: INSPECTION NOS. 03005422/2005001, 03010673/2005001, AND
03036954/2005001, PRINCETON GAMMA-TECH INSTRUMENTS, INC.,
ROCKY HILL, NEW JERSEY SITE AND NOTICE OF VIOLATION

Dear Mr. Cox:

On November 16, 2005, Betsy Ullrich and Dennis Lawyer of this office conducted a safety inspection at the above address of activities authorized by the above listed NRC licenses. The inspection was an examination of your licensed activities as they relate to radiation safety and to compliance with the Commission's regulations and the license conditions. The inspection consisted of observations by the inspector, interviews with personnel, and a selected examination of representative records. Additional information, provided in your correspondence dated November 21 and November 23, 2005, was also examined as part of the inspection. The findings of the inspection were discussed by telephone with you and David Carpenter of your organization at the conclusion of the inspection on December 8, 2005.

Based on the results of this inspection, it appears that your activities were not conducted in full compliance with NRC requirements. A Notice of Violation is enclosed that categorizes each violation by severity level. You are required to respond to this letter and should follow the instructions specified in the enclosed Notice when preparing your response. In your response, you should document the specific actions taken and any additional actions you plan to prevent recurrence. Your response may reference or include previous docketed correspondence, if the correspondence adequately addresses the required response. After reviewing your response to this Notice, including your proposed corrective actions and the results of future inspections, the NRC will determine whether further NRC enforcement action is necessary to ensure compliance with NRC regulatory requirements.

Item A in the Notice of Violation enclosed with this letter was identified during a previous inspection of your licensed activities and documented in a Notice of Violation enclosed with our letter dated October 26, 2000. From this inspection, it appears that your corrective actions were not effective since these items have recurred. Recurrent and uncorrected violations are given additional weight in the consideration and selection of appropriate enforcement action. Therefore, in your response to this letter, you should give particular attention to those actions taken or planned to ensure that identified items of noncompliance will be completely corrected and will not recur.

C. Cox
Princeton Gamma-Tech Instruments, Inc.

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Current NRC regulations are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, industrial, and academic uses of nuclear material**; then **toolkit index page**. The current Enforcement Policy is included on the NRC's website at www.nrc.gov; select **What We Do, Enforcement**, then **Enforcement Policy**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

Your cooperation with us is appreciated.

Sincerely,

Original signed by James P. Dwyer

James P. Dwyer, Chief
Commercial and R&D Branch
Division of Nuclear Materials Safety

Enclosure:
Notice of Violation

cc:
David Carpenter, Assistant Radiation Safety Officer
State of New Jersey

C. Cox
Princeton Gamma-Tech Instruments, Inc.

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OFFICE	DNMS/RI	N	DNMS/RI	N	DNMS/RI	N		
NAME	Dlawyer JPD1		Eullrich JPD1		JDwyer			
DATE	12/08/2005		12/8/2005		12/8/2005			

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NOTICE OF VIOLATION

Princeton Gamma-Tech Instruments, Inc.
Rocky Hill, NJ

Docket No. 03005422
License No. 29-12783-01

During an NRC inspection conducted on November 16, 2005, two violations of NRC requirements were identified. In accordance with the NRC Enforcement Policy, the violations are listed below:

- A. 10 CFR 20.1101(c) requires that licensees periodically (at least annually) review the radiation protection program content and implementation.

Contrary to the above, the licensee did not conduct a review or audit of the radiation protection program at least annually. Specifically, audits were not conducted during the period between February 7, 2001, and November 17, 2005.

This is a Severity Level IV violation. (Supplement VI)

- B. Condition 15 of NRC License 29-12783-01 requires, in part, that a sealed source leak test be capable of detecting the presence of 0.005 microcuries of radioactive material on the test sample.

Contrary to the above, during the period of April 2003 through April 2005, leak tests performed on certain sealed sources were not capable of detecting the presence of 0.005 microcuries of radioactive material on the test sample. Specifically, the test for leakage of the strontium-90 sealed sources was able to detect only 0.009 microcuries on the test sample.

This is a Severity Level IV violation (Supplement VI)

Pursuant to the provisions of 10 CFR 2.201, Princeton Gamma-Tech Instruments, Inc. is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Regional Administrator, Region I, within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. Your response may reference or include previous docketed correspondence, if the correspondence adequately addresses the required response. If an adequate reply is not received within the time specified in this Notice, an order or a Demand for Information may be issued as to why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

If you contest this enforcement action, you should also provide a copy of your response to the Director, Office of Enforcement, United States Nuclear Regulatory Commission, Washington, DC 20555-0001. Under the authority of Section 182 of the Act, 42 U.S.C. 2232, any response which contests an enforcement action shall be submitted under oath or affirmation.

Notice of Violation
Princeton Gamma-Tech Instruments, Inc.

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Your response will be placed in the NRC Public Document Room (PDR) and on the NRC Web site. To the extent possible, it should, therefore, not include any personal privacy, proprietary, or safeguards information so that it can be made publically available without redaction. However, if you find it necessary to include such information, you should clearly indicate the specific information that you desire not to be placed in the PDR, and provide the legal basis to support your request for withholding the information from the public.

In accordance with 10 CFR 19.11, you may be required to post this Notice within two working days.

Dated This 13th day of December 2005