

**From:** [Miller, John](mailto:Miller, John)  
**To:** [bradley.willis@gps.com](mailto:bradley.willis@gps.com)  
**Subject:** Request for Additional Information - Mail control No. 592524  
**Date:** Monday, January 09, 2017 9:27:00 AM

---

QPS, LLC  
License No. 07-30584-01  
Docket No. 030-35435  
Mail Control No. 592524

Dr. Willis

In order to continue the review of your application to amend your NRC license, we need additional information. If you have any questions, please contact me (610-337-5089).

1. Your application should have been signed by a management representative rather than Radiation Safety Officer. Please submit a letter signed by a management representative indicating that management has reviewed the application and concurs in the statements and representations contained therein. Note also that a management representative should sign all future correspondence that requests a change in your license.
2. Your present license authorizes iodine-125 as a "non-volatile compound". In your application dated December 2, 2016, you did not indicate that the iodine-125 was a non-volatile compound. Please confirm that you will only handle non-volatile iodine-125, or describe your facilities and handling practices that will assure that your employees can handle the material safely.
3. Your application indicates that you will be performing *in-vivo* studies. Please describe your radiation safety procedures for handling animals that have been administered radioactive material. Appendix H of NUREG-1556 Vol. 7, should be used as guidance in formulating your response. Please describe your facilities, training that will be provided to animal caretakers, and procedures. If you will be performing survival studies, please specify the release criteria that you will use to determine when an animal may be returned to the uncontrolled or general population. Consider the dose rates from the animals, the quantity of radioactive material in urine and feces, and the amount of contamination in the animal cage in establishing your release criteria.

Please respond in writing with a **signed and dated** letter. Please submit the signed response document as an attachment to an e-mail. Please be sure to include the Control No. 592524 on your response. We would appreciate a response within 20 days in order to expedite review of the license amendment request.

Thank you for your cooperation.

John J. Miller  
Health Physicist  
Division of Nuclear Materials Safety

Phone: 610-337-5089  
Fax: 610-337-5269

E-mail: [john.miller@nrc.gov](mailto:john.miller@nrc.gov)

John J. Miller  
Health Physicist  
U.S. Nuclear Regulatory Commission – Region 1  
Division of Nuclear Material Safety  
2100 Renaissance Boulevard  
King of Prussia, PA 19406-2713  
Office 610-337-5089  
Cell 610-329-0734  
Fax 610-337-5269  
E-mail [john.miller@nrc.gov](mailto:john.miller@nrc.gov)