

# Georgia Department of Natural Resources

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Lonice C. Barrett, Commissioner  
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Environmental Protection Division  
404-362-2675  
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July 31, 2001

Mr. Keith Spero  
MGP Instruments, Inc.  
5000 Highlands Parkway, Suite 150  
Smyrna, GA 30082

Dear Mr. Spero:

This letter is in response to MGP Instruments' application dated March 21, 2000 requesting a review of the CDM-21 Calibrator/Irradiator device. I have completed the initial review of this application. The following questions regarding the application need to be answered before the device evaluation can be completed:

1. Please provide a scale (or dimensioned) drawing that shows a cross-sectional view of the source shield. Be sure it includes a listing of materials of construction and sufficient detail to indicate how the source is secured in place.
2. Please describe the steps taken by an operator to bring the calibrator to a safe, shielded state if power is lost during an irradiation. Include any safety mechanisms that automatically actuate upon a loss of power.
3. Please indicate if there are any maintenance or repair activities on the source shield, shutter, and attenuator housing that can be performed by the end user of the device.
4. Your application states that, for the unit going to the Smyrna facility, that the source will be pre-loaded by the source manufacturer into the source shield. Is this also the way MGP's customers typically receive the CDM-21, or do some of them install the source themselves?
5. Please summarize the quality control and assurance activities performed by MGP Instruments SA (manufacturer), MGP Instruments Inc. (distributor), and the field installation teams.

Upon receipt of answers to the above questions, I will be able to continue the review of your SS&D amendment request. If you have any questions about this transmittal, please contact me via telephone at 404-362-2675, or via electronic mail at [ejameson@mail.dnr.state.ga.us](mailto:ejameson@mail.dnr.state.ga.us).

Sincerely,



Eric T. Jameson  
Environmental Radiation Specialist  
Radioactive Materials Program