



# THE MEDICAL PHYSICS GROUP, LTD.

## Consultants in Radiation Physics

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June 3, 2016

U.S. Nuclear Regulatory Commission, Region III  
Attention: Duty Officer  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

Re: Report and Notification of Medical Event License Number 24-17037-02

To Whom It May Concern:

This is a report and notification of a medical event for Perry County Memorial Hospital, located in Perryville, Missouri, which occurred today June 3, 2016 at approximately 7:30 a.m. CST. This medical event is being reported as required under 10 CFR Part 35.3045 (a)(2)(i), administration of a wrong radioactive drug containing byproduct material resulting in an effective dose equivalent of greater than 0.05 Sv or 5 rem.

At approximately 8:15 a.m. today, I received a call from Chris Wibbenmeyer, VP of Operations for Perry County Memorial Hospital, that one of his nuclear medicine technologists had inadvertently administered a 63 y/o female patient a bulk unit dose of approximately 128 mCi of Tc-99m Sodium Pertechnetate intravenously. This female patient was scheduled to receive a 25 mCi dose of Tc-99m Medronate intravenously for bone scintigraphy. Using a Tc-99m Sodium Pertechnetate package insert provided by the unit dose supplier, I have estimated that the resultant effective dose equivalent to the patient will be approximately 0.06 Sv or 6 rem. The resultant highest dose to any organ or tissue is estimated to be approximately 27 rads, which would be to the patient's upper lower intestinal wall.

The patient has been notified with regards to this medical event. In addition, the RSO/Authorized User for Perry County Memorial Hospital, John A. Merkle, M.D., who is currently on vacation, has also been notified.

If you have any immediate questions or require additional documentation, as the facilities consulting medical physicist, you may contact me directly at 314-307-0587.

Sincerely,

Kenneth L. Andrews, M.S., DABR  
Diagnostic Radiological Physicist  
The Medical Physics Group, Ltd.

## O'Dowd, Dennis

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**From:** Chris Wibbenmeyer <cmwibbenmeyer@pchmo.org>  
**Sent:** Monday, June 13, 2016 4:05 PM  
**To:** O'Dowd, Dennis  
**Cc:** Dan Moran; Avery Behrle  
**Subject:** [External\_Sender] FW: Report and Notification of Medical Event\_License 24-17037-02  
**Attachments:** PCMH Medical Event Notification Letter\_060316.pdf; ATT00001.htm

Dennis,

Pleasure meeting you today. Attached and below is what Ken sent to the NRC initially. We'll work with him to revise and meet the requirements of 10 CFR 35.3045 item D.

thanks

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**Christopher M. Wibbenmeyer, MBA, FACHE**  
**VP of Operations | Perry County Memorial Hospital**  
434 North West Street | Perryville, MO 63775  
☎ 573.768.3293 | 📠 573.547.3776 | ✉ [cmwibbenmeyer@pchmo.org](mailto:cmwibbenmeyer@pchmo.org)



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**From:** Kenneth Andrews [mailto:kenneth.andrews@themedicalphysicsgroup.com]  
**Sent:** Friday, June 3, 2016 4:35 PM  
**To:** hoo.hoc@nrc.gov  
**Cc:** Chris Wibbenmeyer <cmwibbenmeyer@pchmo.org>; Dan Moran <dmoran@pchmo.org>  
**Subject:** Report and Notification of Medical Event\_License 24-17037-02

To Whom It May Concern:

Please see the attached pdf file, which is written notification of a medical event that occurred today at Perry County Memorial Hospital, located in Perryville, Missouri.

Material License # 24-17037-02