

Dennis Lawyer
Health Physicist
U.S. Nuclear Regulatory Commission
Division of Nuclear Material Safety
610-337-5366 Fax: 610-337-5269

J6
03035062

Reference: Application for renewal of NRC License No. 47-32191-01, Docket No. 03035062, dated September 25, 2014.

Dear Mr. Lawyer,

Pursuant to you email dated Thursday, October 16, 2014 requesting additional information concerning the application for a license renewal, Control 585000.

Item 1: All four areas addressed have been corrected.

Item 2: Please find attached the answers to Attachment B, Item 1 questions.

If you have any further discrepancies or concerns please email ramblinacres@frontier.com and we will make the necessary changes or corrections. Thank you in advance for your service.

Respectfully,

Gary J. Gwisdalla RSO
GT&I Co./ 3-E's Corp.
966 Mud Run Rd.
Ripley, WV 25271
304-372-8173
304-372-1395 (F)

REC'D IN LAT 10-21-14

via fax

585000
NMSS/RGN1 MATERIALS-002

ATTACHMENT "B"

ITEM "1"
ANSWER KEY

Industrial Radiography Examination Answer Key

1. Yes, it is a requirement of GT&I Co. O&E Procedures.
2. Every six months or after a repair to the instrument is required, changing the batteries do not constitute a repair.
3. Every six months for sealed sources, annually for DU tests to a camera or device.
4. The restricted/radiation area, poster with "Caution Radiation Area" signs, and the High Radiation Area posted with "Caution High Radiation Area" signs.
5. Not to exceed 2 mr/hr.
6. $\frac{1}{4}$ of what it was. Double the distance divide by four.
7. Time, Distance and Shielding.
8. 0 to 1000 mr/hr.
9. Stop work immediately, ensure that the source is in the safe and shielded position in the exposure device. Immediately notify the RSO. Take pertinent notes regarding the incident prior to and after it was noticed. Do not resume and duties involving radioactive material until instructed by the RSO.
10. 0 to at least 200 mr.
11. 2 mr/hr or less
12. Go get you film badge, do not work in a Radiation Area without a film badge.
13. Only under the direct supervision of a qualified Radiographer.
14. The Radiographer.
15. At the beginning of each days work.
16. The film badge cannot be read.
17. Radiation Safety Officer.
18. Decreases with time.
19. All the above.
20. Determine the source strength (activity) at any time.

- 21. c. Sealed and f. Exposure devices.**
- 22. A device that records accumulated radiation exposure received by the wearer over a stated period of time.**
- 23. Yes.**
- 24. a. 50 mr/hr**
- 25. Yes to ensure that the source is in its safe and shielded position.**
- 26. No**
- 27. No.**
- 28. 1 ¼**
- 29.No.**
- 30. No.**
- 31. No.**
- 32. d. Any unnecessary exposure to radiation is excessive.**
- 33. Half Life.**
- 34. Roentgens per hour.**
- 35. Direct supervision means that the Radiographer must be physically present when sources are being used.**
- 36. Ensure/verify that the source is safe in its shielded position in the device.**
- 37. 1. Check the calibration sticker. 2. Turn it on to check battery condition.
3. Perform a test of the audible alarm and circuitry before starting work.**
- 38. Restricted/Radiation Area, 2mr/hr or less.**
- 39. Yes it is mandatory per GT&I O&E Procedures.**
- 40. "As Low As Reasonably Achievable" To at all times be aware of the hazards of working with Radioactive Material and use all means such as Time, Distance Shielding and proper monitoring and safety equipment to keep exposure as low possible.**