

TRUPACT-II and HalfPACT Review: Follow up Questions

Date: 12/8/2021

1. Update the following information in TRUPACT-II SAR tables 5.4-12, 5.4-13 and 5.4-15 based upon the results of SCA-CAL-0005 (ADAMS Accession No. ML21279A188) to demonstrate compliance with the applicable regulatory limits in 10 CFR Part 71:
  - a. calculated dose rate (mrem/hr)
  - b. tally error
  - c. allowable activity (par/s) and
  - d. allowable activity (Ci)
2. Update the following information in TRUPACT-II SAR tables 5.5-16, 5.5-18 and 5.5-22 based upon the results of SCA-CAL-0005 (ADAMS Accession No. ML21279A188) to demonstrate compliance with the applicable regulatory limits in 10 CFR Part 71:
  - a. calculated dose rate (mrem/hr)
  - b. tally error and
  - c. allowable activity ( $\gamma$ /s)
3. Is the gamma scan performed on an assembled container or only on individual components?
4. Explain how the gamma scan will be used to measure the thickness of the lead shield in the corners of the shielded container. If the gamma scan is not used, explain how you ensure that the thickness of the lead in the corners of the shielded container are within the values shown in the licensing drawings.
5. Provide the maximum amount of the proposed content that can be shipped a single shielded container and per shipment considering the applicable regulatory limits in 10 CFR Part 71. Also, provide the calculation as part of your response.
6. During the phone call last week, the applicant mentioned that they performed a calculation assuming a 1/2 -in. gap of the lead shield. Using the 1/2 -in. gap of the lead shield, provide the allowable activity calculation using the applicable 10 CFR Part 71 dose\dose rate limit.