

Hospital	Event Number: 41880
Rep Org: SAINT LUKE HOSPITAL Licensee: SAINT LUKE HOSPITAL Region: 1 City: BETHLEHEM State: PA County: License #: 37-07939-01 Agreement: N Docket: NRC Notified By: TIANYOU XUE HQ OPS Officer: BILL HUFFMAN	Notification Date: 07/29/2005 Notification Time: 11:52 [ET] Event Date: 07/26/2005 Event Time: 11:00 [EDT] Last Update Date: 07/29/2005
Emergency Class: NON EMERGENCY 10 CFR Section: 35.3045(a)(1) - DOSE <> PRESCRIBED DOSAGE	Person (Organization): GLENN MEYER (R1) SCOTT MOORE (NMSS)

Event Text

MEDICAL EVENT - DOSE LESS THAN PRESCRIBED DURING MEDICAL TREATMENT

A patient being treated for liver cancer was scheduled to be administered two SIR-spheres treatments (SIR-spheres utilizes radioactive micro-spheres that contain yttrium-90). The first treatment was prescribed as 0.46 GBq (GigaBecquerels) of Y-90. Due to difficulty in determining how much of the Y-90 remained in the vial and the injection catheter, the licensee has determined that only 0.25 GBq were administered in the first treatment dose. The patient will be given a second treatment that takes into consideration the actual amount administered on the first treatment.

The licensee notes that the fraction of Y-90 administered differs from the prescribed dose by 46%. The regulatory criteria under 10 CFR 35.3045(a)(1)(iii) states that the reportability criteria is 50% or greater. The licensee has elected to conservatively report this event since it is close to the regulatory criteria.