

# INES Event Rating Form

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|--|--|
| <b>Event Title:</b>                    | Overexposure to Service Provider at Client Licensee Site |
| <b>Date of Event:</b>                  | 2011-10-08   |
| <b>Event Location / Facility Name:</b> | Raritan, NJ/Johnson and Johnson                          |
| <b>Event Country:</b>                  | USA  |
| <b>Type of Event:</b>                  | Irradiation/Accelerator Facility                         |

|                          |            |
|--------------------------|------------|
| <b>INES Rating:</b>      | 2          |
| <b>Status of Rating:</b> | Final      |
| <b>Date of Rating:</b>   | 2012-06-26 |

|   |                          |  |
|---|--------------------------|--|
| <b>Impact on People and Environment</b>   |                          |  |
| <i>Release beyond authorized limits?</i>  | <input type="checkbox"/> |  |
| <i>Overexposure of a member of the public?</i>                                  | <input type="checkbox"/> |  |
| <i>Overexposure of a worker?</i>  | X                        |  |
| <b>Impact on the Radiological Barriers and Controls at Facilities</b>           |                          |  |
| <i>Contamination spread within the facility?</i>                                | <input type="checkbox"/> |  |
| <i>Damage to radiological barriers (incl. fuel damage) within the facility?</i> | <input type="checkbox"/> |  |
| <b>Degradation of Defence In-Depth?</b>   | <input type="checkbox"/> |  |
| <b>Person injured physically or casualty?</b>                                   | <input type="checkbox"/> |  |
| <b>Is there a continuing problem?</b>   | <input type="checkbox"/> |  |

## Event Description:

*Note: When the ERF is published on IAEA NEWS, the first 300 characters of the event description will appear on the NEWS home page.*

**One of the service personnel (radiation worker) received 172 mSv (17.2 rem) whole body dose and 1 Sv (101.3 rem) to the extremities. Another of the service personnel (radiation worker) received 175 mSv (17.5 rem) whole body dose and 616 mSv (61.6 rem) to the extremities. The facility radiation safety officer received 114 mSv (11.4 rem) whole body dose. The doses for the three individuals were determined by the actual reading of individual dosimeters. Four additional radiation workers received whole body doses that ranged between 15 mSv (1.5 rem) and 35 mSv (3.5 rem).**

## Justification of INES Rating:

*Note: When the ERF is published on IAEA NEWS, the justification of the INES rating will only appear to privileged users.*

**A Level 2 is warranted for exposure of a worker in excess of the statutory annual limits. See Section 2.3.1 INES User's Manual 2008 Edition (IAEA-INES-2009) [http://www-pub.iaea.org/MTCD/publications/PDF/INES-2009\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/INES-2009_web.pdf)**

|                                   |   |
|-----------------------------------|---|
| <b>Further Info on Web (URL):</b> | Click here to enter text.   |
| <b>Contact Person:</b>            | Dr. Cynthia Jones, Office of Nuclear Security and Incident Response |
| <b>Affiliation/Organization:</b>  | U.S. Nuclear Regulatory Commission                                  |
| <b>Email:</b>                     | cynthia.jones@nrc.gov   |
| <b>Telephone:</b>                 | 301-415-6382  |
| <b>Organization Website URL:</b>  | <a href="http://www.nrc.gov">www.nrc.gov</a>                        |

**Annexes:**

| <b>Annex Title</b>        | <b>Category</b> | <b>Description</b> <i>(optional)</i> |
|---------------------------|-----------------|--------------------------------------|
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| Click here to enter text. | Choose an item. | Click here to enter text.            |