

**Specialty Materials**  
Honeywell  
P.O. Box 430  
2768 North US 45 Road  
Metropolis, IL 62960

April 6, 2011

Certified Mail: 7009 1410 0001 3772 3063

Attention: Document Control Desk  
Director, Office of Nuclear Material Safety & Safeguards  
US Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Docket No. 40-3392  
License No. SUB-526

Subject: 30-Day Written Follow-Up Report to NRC Event No. 46682  
Reported 03/18/2011 to NRC Operations Center—Medical Treatment  
Involving Contamination

The Honeywell Metropolis Works facility (MTW) reported to the NRC Operations Center in accordance with 10 CFR 40.60 (b) (3) an event that required unplanned medical treatment at a medical facility of an individual with spreadable radioactive contamination on the individual's clothing or body. This letter is a follow-up report to address specific items required by 10 CFR 40.60(c) (2).

**NRC Event Number 46682 dated March 18, 2011**

The following information was provided in the 24 Hour NRC Telephone Report:

**Description of the Event:**

Contract employee entered the onsite medical facility with a laceration on his right arm. First aid was administered in preparation for transferring to an offsite medical facility. The employee had spreadable contamination on his clothing (60k dpm/100cm<sup>2</sup>). The employee was decontaminated before leaving the site. The employee received 8 stitches at the offsite medical facility.

**Isotope, Quantities and Chemical Form:**

U<sub>3</sub>O<sub>8</sub>

**Personnel Radiation Exposure Date (if applicable):**

Not available.

IE72

## **10 CFR 40.60(c)(2) written 30-day follow up report required sections**

*(2)(i) A description of the event, including the probable cause and the manufacturer and model number (if applicable) of any equipment that failed or malfunctioned.*

On Friday, March 8, 2011, a contract employee with a laceration on his right forearm was taken to the plant dispensary for first aid treatment. The employee was treated and decontaminated inside the dispensary located within the restricted area boundary. The laceration required medical treatment. Therefore the contractor was transported to an offsite medical facility where the laceration was closed with 8 stitches. The employee's plant clothing was monitored and determined to have 60 kdpm/100cm<sup>2</sup> on the knees and lower legs.

*(2)(ii) The exact location of the event.*

First aid was performed in the plant dispensary.

*(2)(iii) The isotopes, quantities, and chemical and physical form of the licensed material involved.*

The isotope involved was natural uranium in the form of U<sup>3</sup>O<sup>8</sup>, which was in the form of spreadable contamination on the contractor's clothing (60k dpm/100cm<sup>2</sup>).

*(2)(iv) Date and time of the event.*

The incident occurred at approximately 1000 on March 8, 2011 and the 24 hour report was submitted on March 18, 2011.

*(2)(v) Corrective actions taken or planned and the results of any evaluations or assessments.*

The following actions were taken:

1. The dispensary is surveyed daily.
2. The on-site medical facility is cleaned routinely. Additional cleaning can be requested as required.
3. On March 8, 2011, a safety stand down was given with contractor's employees discussing the incident and the importance of Job Safety Analysis (JSA)/Job Hazard Analysis (JHA) requirements.
4. An email communicating that when possible decontaminate personnel prior to their being admitted to the dispensary will be sent by April 15, 2011.

*(2)(vi) The extent of exposure of individuals to radiation or to radioactive materials without identification of individuals by name.*

The dose was assessed as 12 mrem CEDE.

Please contact Mr. Michael Greeno, Regulatory Affairs Manager, at 618-309-5005, if you have additional comments or questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Larry A. Smith". The signature is fluid and cursive, with a large initial "L" and a stylized "S".

Larry A. Smith  
Plant Manager

cc: Regional Administrator  
Region II, US Nuclear Regulatory Commission  
245 Peachtree Center Ave., NE, Suite 1200  
Atlanta, GA 30303-1257