

Specialty Materials

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

December 7, 2011

Certified Mail: 7011 0470 0000 6688 5702

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

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

Subject Honeywell Metropolis Works 30-Day Written Follow-Up Report
Event No. 47462

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 in a medical facility of an individual with spreadable contamination. This letter is a follow-up report to address specific items required by 10 CFR 40.60(c)(2).

NRC Event Number 47462 dated November 21, 2011

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

Description of the Event:

On November 21, 2011, at 0900 [CST] a Honeywell employee entered the plant's dispensary for unplanned medical treatment for chest pain. The employee's plant shoes and coveralls were contaminated. After the individual's boots were removed and coveralls were cut off, he was surveyed. Upon decontamination, all readings on the patient did not exceed background. The patient was sent by ambulance to Baptist Hospital for evaluation.

Reporting Requirement: 10 CFR 40.60(b)(3), Unplanned medical treatment in a medical facility of an individual with spreadable contamination.

The licensee informed NRC Region II (Joe Calle).

The licensee stated that there was no contamination elsewhere in the facility as a result of this event.

Isotope, Quantities and Chemical Form:

U3O8 Uranium Ore Concentrate, Natural Uranium.

JE72

Personnel Radiation Exposure Data (if applicable):

None.

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 November 21, 2011, at 0900 [CST] a Honeywell employee entered the plant's dispensary for unplanned medical treatment for chest pain. Radiological survey of the employee in the dispensary showed contamination on both work shoes and coveralls pant cuffs. After individual's boots were removed and coveralls were cut off, he was surveyed. Upon decontamination, all readings on the patient did not exceed background. The patient was sent by ambulance to Western Baptist Hospital for evaluation. There was no contamination elsewhere in the facility as a result of this event.

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

Individual's decontamination was performed in the plant's dispensary which is located within the restricted area boundary.

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

The isotope involved was Natural Uranium in Uranium Ore Concentrate, U_3O_8 , which was in the form of spreadable contamination on employee's plant issued boots and coveralls. The highest contamination levels were estimated at: 624127 dpm/100 sq. cm for employee's boots, and 133,320 dpm/100 sq. cm for the coveralls. There was no detectable contamination on the employee's skin.

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

The incident occurred at 0900 [CST] on November 21, 2011, and the 24-hour report was submitted on November 21, 2011, at 1515 [ET].

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

The following actions were taken in response to this and several other events reported to the NRC in 2011 in accordance with 10 CFR 40.60(b)(3):

1. The dispensary is surveyed daily.
2. The on-site medical facility is cleaned routinely. Additional cleaning can be requested as required.
3. An email communicating that when possible, decontaminate personnel prior to them being admitted to the dispensary was sent by 4/15/2011.

4. Instructions on monitoring potentially contaminated injured individuals in the site's dispensary and documenting associated radioactive contamination surveys were developed and distributed to Health Physics personnel on 3/22/2011.
5. Additional guidance for on-site locations of injury treatment activities was developed and communicated to all Health Physics staff on 4/6/2011.
6. Guidance for documenting contamination surveys was incorporated into Health Physics procedures by 8/30/2011.

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

N/A.

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

Sincerely,



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