

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

September 7, 2011

Attention: Document Control Desk
Director, Office of Nuclear Material Safety Safeguards
U.S. 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. 47136 Reported
08/09/2011 to NRC Operations Center

The Honeywell Metropolis Works facility (MTW) reported to the NRC Operations Center in accordance with 10 CFR 40.60(b)(3) an event that requires 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 47136 dated August 9, 2011

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

Description of the Event:

**POTENTIALLY CONTAMINATED PERSON TRANSPORTED OFFSITE FOR
MEDICAL TREATMENT**

A person working at the sampling plant driving a forklift to move drums began having chest pains. The individual was taken to the site dispensary for evaluation. An ambulance was requested to take the employee to the hospital for further evaluation. The employee had contamination on his coveralls and boots. Before leaving for the hospital the employee's plant clothing was removed and surveyed. There was no detectable contamination on the employee when he was transferred to the hospital.

The NRC Region II Senior Fuel Cycle Inspector (Gibson) has been informed.

IE72

Isotope, Quantities and Chemical Form:

Uranium Ore Concentrate, U_3O_8

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.

While operating a forklift at the Sampling Plant and backing away from the drums, the contract employee stopped the forklift and doubled over the steering wheel. Other operators in the area responded and found the employee to be in a lot of pain and discomfort. The employee was brought to the dispensary for treatment at 1645. The employee described his pain to be a sharp "knife-like" pain in the center of the chest with an 8 pain rating, on a scale of 1 to 10. An ambulance was immediately called and arrived at 1706.

Employee's plant clothing was removed, and the he was transported in personal clothing. The individual and his personal belongings were monitored for radioactive contamination.

The stretcher, ambulance attendants and vehicle were monitored for radioactive contamination prior to exiting the facility. All readings were at the background level.

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

Employee worked at the Metropolis Works Sampling Plant and was brought to the plant dispensary, both facilities are 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 . This material was in the form of spreadable contamination on the employee's plant issued coveralls and boots. Contamination levels were estimated at approximately 21,482 dpm/100 sq. cm for the coveralls, 37,636 dpm/100 sq. cm and 42,500 dpm/100 sq for the left and right boots respectively. There was no detectable contamination on the employee's skin.

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

The incident occurred at approximately 1645 on August 8, 2011 and the 24 hour report was submitted on August 9, 2011 at 1541.

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

The following actions were taken on August 8, 2011:

1. The employee was brought to the dispensary at 1645.
2. An ambulance was called immediately and arrived at 1706.
3. Employee's plant clothing was removed and monitored for radioactive contamination. He was transported in personal clothing; his personal belongings were also monitored for radioactive contamination.
4. The stretcher, ambulance attendants and vehicle were monitored prior to exiting the facility.

Other pertinent actions:

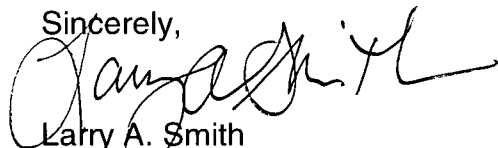
- The plant's dispensary is surveyed for radioactive contamination daily.
- The on-site medical facility is cleaned routinely. Additional cleaning can be requested as required.

(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 additional comments or questions 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