

Performance Materials and Technologies

Honeywell
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November 7, 2013

UPS/Next Day Air

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

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

Subject Honeywell Metropolis Works 30-Day Written Follow-Up Report
Event No. 49430

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. This letter is a follow-up report to address specific items required by 10 CFR 40.60(c)(2).

NRC Event Number 49430 dated October 11, 2013

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

Description of the Event:**UNPLANNED MEDICAL TREATMENT OF CONTAMINATED INDIVIDUAL**

An employee reported to the on-site dispensary this afternoon [on 10/11/13,] with a bump and minor cuts on her head. The plant nurse administered first aid and then sent the employee to an off-site medical facility for further evaluation. A whole body survey of the employee in her plant clothing was performed while in the dispensary; the maximum amount of contamination found was present on the employee's boots, 4,600 dpm/100cm². Prior to leaving the Restricted Area, the employee removed all plant clothing, changed into her personal clothing, and exit monitored from the facility. The employee was free of contamination upon release.

NRC Region II informed: The licensee was unable to contact Region II due to the government shutdown.

Reporting Requirement: 10 CFR 40.60(b)(3), unplanned medical treatment of a contaminated individual.

Isotope, Quantities and Chemical Form: Uranium Ore Concentrates.

JE72
NMSS

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 10/11/2013, at 1215 CDT, an employee was walking down from the northeast loading dock at the Sampling plant. When the employee's foot hit a fork of a lift truck, she tripped and fell to the ground. The employee was taken to the dispensary at 1230 CDT. The plant nurse administered first aid and sent the employee to an off-site medical facility for further evaluation. A whole body survey of the employee in her plant clothing was performed while in the dispensary; the maximum amount of contamination was found on the employee's boots, 4,600 dpm/100cm². Prior to leaving the Restricted Area, the employee removed all plant clothing, changed into her personal clothing, and exit monitored from the facility. The employee was free of contamination upon release.

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

The employee was evaluated at the plant's Dispensary 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 the form of U₃O₈, which was in the form of spreadable contamination on the employee's boots. The highest contamination level was 4,600 dpm/100 cm² on both boots.

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

The incident occurred at 1230 CDT on October 11, 2013, and the 24-hour report was submitted on October 11, 2013, at 1600 ET.

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

The following actions were taken in response to the event:

1. A Problem Evaluation Report (PER) was initiated in Honeywell's Incident Tracking & Corrective Actions (IT&CA) system on 10/11/2013.
2. According to Health Physics procedures, a detailed First Aid/Medical Treatment Contamination Report for documenting unplanned dispensary treatments and unplanned off-site medical treatments was developed for this event on 10/11/2013.
3. The plant's Dispensary is surveyed daily.
4. The Dispensary 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 Mark Wolf, Nuclear Compliance Director, at (618) 309-5013, if you have questions or comments regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Larry A. Smith', with a long horizontal flourish extending to the right.

Larry A. Smith
Plant Manager

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