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January 14, 2005

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U.S. Nuclear Regulatory Commission  
Director, Office of Nuclear Material Safety & Safeguards  
Attention: Document Control Desk  
Mail Stop T-8A33, Two White Flint N., 11545 Rockville Pike  
Rockville, MD 20852-2738

Subject: 30-Day Written Follow-up Report to NRC Event Number #41270 Reported 12-17-04 to NRC Operation Center

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

Honeywell Chemicals, Specialty Materials Metropolis Works (MTW) facility reported to the NRC Operation Center as per 10 CFR 40 the degradation of a license required safety system. This letter is a required follow-up report to address specific items required by the regulations. The questions requiring response by the regulations are listed below (i-vi) with the appropriate responses.

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

NRC Event Report # 41270:

#### STANDBY EMERGENCY DIESEL GENERATOR DECLARED INOPERABLE.

A work request identified a local trouble alarm on the standby generator (standby emergency diesel generator). Maintenance investigation of the trouble alarm was in progress when the control card for the standby generator failed (card controlled the frequency and voltage of the generator). Failure of this card disabled the generator from operating properly. The standby generator was declared inoperable and production personnel immediately stopped production of licensed material that was supported by the standby generator. At 1800 CST the standby generator was repaired and tested. The standby generator is considered fully operable at the time of this report. An investigation has been initiated to find why the control card failed. A 30 day reported will be released. NRC Region 2 (Jay Henson) was notified of this event by the licensee.

#### Apparent Cause:

The cause of the emergency generator failure to start was determined to be the result of a failed electronics card that controls the generator's frequency and voltage regulation. This card was replaced and the generator was load tested to ensure that it would perform satisfactory.

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The following are the make and model numbers for the equipment that failed to perform its intended safety related function:

Generator manufacture company name: Cummins Onan / Equipment # G-126

Generator model number: DFCC-4479162

Engine model number: NTA-855-G3

(ii) The exact location of the event;

MTW powerhouse building located near Metropolis Illinois 62960.

(iii) The isotopes, quantities, and chemical and physical form of the licensed material involved;  
No chemicals or radionuclides were released due to this event.

(iv) Date and time of the event;

The event occurred on 12-17-04 at approximately 12:00 CDT.

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

The plant was taken to a safe stand down position. An equipment manufacturer's representative was contacted and the technician assisted the site to determine the cause and assist in the repair of the unit. The electronics card that had failed was identified and replaced. The unit was tested to assure equipment's proper function. The plant will test the generator on a weekly basis to assure it is available and operational. These actions have been established and are currently being followed.

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

There were no exposures to individuals as a result of this event. Actions have been put in place to prevent a reoccurrence of this type of event. For further questions regarding this event please contact Mr. Michael Ginzel, Health Physics Supervisor, at 618-524-6349 for additional support.

Sincerely,



Rory J. O'Kane  
Plant Manager

cc: D. Mays  
M. Ginzel

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Regional Administrator (UPS: 404-562-4701)  
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