



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

August 10, 2007

Mr. David Edwards
Plant Manager
Honeywell Specialty Chemicals
P.O. Box 430
Metropolis, IL 62690

SUBJECT: NRC INSPECTION REPORT NO. 40-3392/2007-004

Dear Mr. Edwards:

This letter refers to the inspection conducted from July 9-12, 2007, at the Honeywell Specialty Chemicals facility in Metropolis, IL. The purpose of the inspection was to determine whether activities authorized by the license were conducted safely and in accordance with NRC requirements. At the conclusion of the inspection on July 12, 2007, the findings were discussed with those members of your staff identified in the enclosed report.

The inspection consisted of an examination of activities conducted under the license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of the license. Areas examined during the inspection are identified in the enclosed report. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations of activities in progress, and interviews with personnel.

Based on the results of this inspection, the NRC did not identify any violations.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this inspection, please contact us.

Sincerely,

/RA/

Jay L. Henson, Chief
Fuel Facility Inspection Branch 2
Division of Fuel Facility Inspection

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

Enclosure: (See page 2)

D. Edwards

2

Enclosure: NRC Inspection Report 40-3392/2007-004

cc w/encl:
Gary Wright
Emergency Management Agency
Division of Nuclear Safety
1035 Outer Park Dr., 5th Floor
Springfield, IL 62704

Distribution w/encl:

J. Henson, RII
J. Pelchat, RII
B. Smith, NMSS
M. Raddatz, NMSS

*see previous concurrence

X PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE X NON-SENSITIVE

ADAMS: X Yes ACCESSION NUMBER: _____

OFFICE	RII:DFFI	RII:DFFI					
SIGNATURE	SS 8/9/07	JP 8/9/07					
NAME	SSubosits*	JPelchat*					
DATE	8/ /2007	8/ /2007	8/ /2007	8/ /2007	8/ /2007	8/ /2007	8/ /2007
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: C:\FileNet\ML072220167.wpd

U.S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket No.: 40-3392

License No.: SUB-526

Report No.: 40-3392/2007-004

Licensee: Honeywell International, Inc.

Facility: Metropolis Works

Location: P. O. Box 430
Metropolis, IL 62960

Dates: July 9 - 12, 2007

Inspector: Stephen Subosits, Fuel Facilities Inspector, NRC Region II

Accompanying Personnel: Robert Prince, Fuel Facility Inspector-in-Training, NRC Region II
Matthew Bartlett, License Reviewer, Office of Nuclear Materials
Safety and Safeguards

Approved by: Jay L. Henson, Chief
Fuel Facility Inspection Branch 2
Division of Fuel Facility Inspection

Enclosure

EXECUTIVE SUMMARY

Honeywell International, Inc.
NRC Inspection Report No. 40-3392/2007-004

This routine, announced inspection was conducted in the area of fire safety. The inspection involved observation of work activities, a review of selected records and procedures, and interviews with plant personnel. The inspection identified the following aspects of the program as outlined below:

Fire Safety

- The licensee's pre-fire plan was up to date and corrective actions to fire insurer audit findings were being tracked by the licensee.(Paragraph 2.a).
- Fire protection equipment was maintained in accordance with licensee administrative procedural requirements. An unresolved item was opened to allow further review of the licensee's response to the discovery of a discrepancy in the length of several fire hose installations in the Feed Materials Building. (Paragraph 2.b).
- The Feed Materials Building and surrounding areas were maintained in accordance with fire safety requirements (Paragraph 2.c).

Attachment:

Partial List of Persons Contacted
Inspection Procedures Used
Items Opened
List of Acronyms Used

REPORT DETAILS

1. Summary of Plant Status

The Honeywell Speciality Chemicals (licensee) uranium conversion facility (known as the Metropolis Works or MTW) is located on a 1100 acre site (60 acres within the fence line). The licensee is authorized to possess 150 million pounds of natural uranium ore and to convert this material to uranium hexafluoride (UF₆). The uranium conversion process occurs in the Feeds Material Building (FMB). During the inspection period, routine operations were conducted in the FMB.

2. Fire Protection (Inspection Procedure (IP) 88055)

a. Annual Inspection (O2.08) and Management Measures (O2.09)

(1) Scope and Observations

The inspector reviewed the most recent fire insurer's audit report and the status of recommendations from the audit. Corrective actions to audit findings were assigned and tracked by the licensee. The licensee's pre-fire plan was reviewed to verify that plant changes were included in the documents. The inspector examined the training records of select fire brigade team members and confirmed their training was up to date. No issues or open items were identified from the documentation reviewed.

(2) Conclusions

The inspector determined that the pre-fire planning guide was up to date and corrective actions to the fire insurer's audit were assigned and tracked by the licensee.

b. Fire Detection Systems (O2.02), Water-based Fire Suppression Systems (O2.03) Manual Firefighting Equipment and Capability (O2.05) and Passive Fire Protection Features (O2.06)

(1) Scope and Observations

The inspector examined fire protection equipment including hose houses, hose reels, portable extinguishers, automatic sprinklers, fire pumps and drivers, the fire water storage tank, smoke detectors in the FMB, and surrounding areas. The inspector verified the portable fire extinguishers were charged to normal operating pressure with current service and inspection tags. The inspector verified that the licensee's staff was performing weekly inspections of fire protection equipment throughout the plant as required by internal procedures.

As part of the inspection of manual fire fighting equipment, the inspector requested the licensee to measure the actual lengths of fire hoses on several hose reels throughout the FMB. The 1 ½" lined hoses are required to be a minimum of 50 feet in length per the step 4.1.1.7 of the licensee's administrative procedure MTW-SAF-LP-0008, Revision 2, "*Fire Protection Systems and Maintenance*." Upon measurement of two separate hose reels the licensee determined that the actual length of each of the hoses

was only 47 feet. Due to the discovery of fire fighting hoses shorter in length than required by licensee procedures, an unresolved item (URI), 40-3392/2007-04-01, was opened to allow the licensee to determine the extent of condition and impact on fire fighting effectiveness in the FMB from the use of the shorter fire hoses. It was noted that the fire fighting hoses located in the hose houses and on hose reels in the FMB did not display evidence of physical damage.

(2) Conclusions

Fire protection equipment was maintained in accordance with licensee administrative procedural requirements. The inspector opened a URI to allow further review of the licensee's response to the discovery of a discrepancy in the length of several fire hose installations in the FMB. The licensee has committed to assess the extent of condition and impact of using fire hoses 3 feet shorter in length than required by internal procedures on fire fighting effectiveness in the FMB.

c. Control of Transient Combustibles and Ignition Sources (O2.01) and Compensatory Measures (O2.07)

(1) Scope and Inspections

The inspector performed walk downs of the FMB and surrounding areas, to ensure that combustible materials and flammable liquids were properly controlled. The inspector noted that flammable and combustible liquids were properly stored in designated storage cabinets. Housekeeping in the facility was generally satisfactory and accumulations of transient combustibles were minimal throughout the process areas. Hot work permits were completed and posted as required by licensee procedures. Personnel performed welding activities in compliance with requirements of the applicable hot work permits. The inspector reviewed the licensee's procedure for fire protection system impairments and verified the procedure contained sufficient measures to ensure fire safety during fire protection system impairments.

(2) Conclusions

The process areas were maintained in accordance with fire safety procedural requirements. Welding work was performed in compliance with the associated hot work permits

3. Exit Meeting Summary

The inspector presented the inspection results to members of the plant staff and management at the conclusion of the inspection on July 12, 2007. Plant management acknowledged the findings presented. Although proprietary documents may have been reviewed during this inspection, the proprietary nature of these documents is not included in this report. No dissenting comments were received from the licensee.

ATTACHMENT

1. **PARTIAL LIST OF PERSONS CONTACTED OR ATTENDED EXIT MEETING**

Licensee

B. Vandermeulen, Supply Chain Manager
C. DeLand, Maintenance/Reliability Manager
R. Erickson, Operations Manager
J. Johnson, Safety Supervisor
M. Millman, Engineering Manager
E. Murphy, IT Manager
S. Patterson, Health Physics Supervisor
L. Parscale, Nuclear Regulatory Affairs Manager
N. Rodgers, HP Specialist
B. Stokes, Health Physics Specialist
D. Mays, Health, Safety and Environmental Manager
B. Stephenson, Safety Specialist

Other licensee employees contacted included engineers, technicians, and office personnel.

2. **INSPECTION PROCEDURE USED**

88055 Fire Protection

3. **ITEMS OPENED, CLOSED, AND DISCUSSED**

<u>Item Number</u>	<u>Status</u>	<u>Description</u>
URI 2007-04-01	Open	URI- As-found Lengths of Installed Facility Fire Fighting Hoses Shorter Than Required by Licensee Procedures (Paragraph 2.b)

4. **LIST OF ACRONYMS USED**

ADAMS	Agency Document Access and Management System
FMB	Feed Materials Building
IP	Inspection Procedure
MTW	Metropolis Works
NRC	Nuclear Regulatory Commission
PARS	Publicly Available Records
UF ₆	Uranium Hexafluoride
URI	Unresolved Item