



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T86  
ATLANTA, GEORGIA 30303-8931**

February 9, 2006

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

SUBJECT: NRC INSPECTION REPORT 40-3392/2006-001

Dear Mr. Edwards:

This letter refers to the inspection conducted on January 10 through 13, 2006, at the Honeywell Specialty Chemicals facility. The purpose of the inspection was to perform a routine review of the implementation of the operational safety program and to determine whether activities authorized by the license were conducted safely and in accordance with NRC requirements. At the conclusion of the inspection on January 13, 2006, 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/** D. Hartland for  
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

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Enclosure: NRC Inspection Report 40-3392/2006-001

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

Distribution w/encls:

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

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ADAMS: ☐ Yes ACCESSION NUMBER: \_\_\_\_\_

OFFICE	RII:DFFI	RII:DFFI	RII:DFFI	RII:DFFI	RII:DFFI	
SIGNATURE	WB 2/9/06	JMP 2/9/06				
NAME	W. Britz	J. Pelchat				
DATE	2/ /2006	2/ /2006				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

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U.S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket No.: 40-3392

License No.: SUB-526

Report No.: 40-3392/2006-001

Licensee: Honeywell International, Inc.

Facility: Metropolis Works

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

Dates: January 10 through 13, 2006

Inspectors: Wayne L. Britz, Fuel Facility Inspector

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 40-3392/2006-001

The purpose of this inspection was to perform a routine review of the implementation of the operational safety program. 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:

### Operational Safety

- The licensee adequately reviewed and implemented plant procedures. Plant housekeeping was observed to be adequate. (Paragraph 2.a)
- The licensee conducted safety committee meetings and internal audits and inspections in accordance with the license application. (Paragraph 2.b)
- One unresolved item was identified regarding further review of the licensee's failure to document damage on a cylinder and notify the quality assurance inspector for disposition prior to shipment. (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**

During the inspection period, routine operations were conducted in the Feeds Material Building without incident.

### **2. Operational Safety (Inspection Procedure TI 2600/003)**

#### **a. Operational Safety Procedures and Plant Implementation**

##### **(1) Scope and Observations**

The inspector reviewed plant procedures to determine whether the licensee had adequate organization and controls in place to review and implement the procedures. The inspector reviewed procedures for special work permits, hot work permits, pre-job briefings, lock-out tag-out, shift turnover, the green salt vacuum system, plant work rules, and disabled alarms and instruments. The inspector also discussed the procedures with plant operators and observed several work evolutions utilizing these procedures. Plant housekeeping was observed to be adequate.

##### **(2) Conclusions**

The licensee adequately reviewed and implemented plant procedures. Plant housekeeping was observed to be adequate.

#### **b. Safety Committee Meetings, Internal Audits and Inspections**

##### **(1) Scope and Observations**

The inspector reviewed the licensee's records of safety committee meetings and internal audits and inspections required by the license application. The audit reports and meeting minutes were observed to be thorough and complete.

##### **(2) Conclusions**

The licensee conducted safety committee meetings and internal audits and inspections in accordance with the license application.

#### **c. Incident Investigation**

##### **(3) Scope and Observations**

The inspector reviewed an incident concerning a uranium hexafluoride (UF<sub>6</sub>) cylinder that was received by a customer in a damaged condition. The inspector reviewed photographs taken at its destination that showed tire tracks and gouges on the damaged cylinder. The inspector identified the large fork lift transporter at the Honeywell site that caused the damage to the cylinder.

The right rear tire of the transporter had large scuff marks and the tire thread matched the imprint left on the cylinder indicating that the tire had turned on the cylinder. The

hub nuts on the wheel, which extended beyond the vertical plane of the wheel, had paint from the cylinder on them indicating that the nuts had gouged the cylinder.

The inspector noted that Procedure MTW-QAM-UF6-0217 required that a "cylinder visible inspection report" be filled out prior to loading the cylinder and installing the valve cover. The procedure required that the cylinder be inspected for any physical damage including gouges/cuts. If any item was found that deviated from an established standard condition, the operator was required to notify the responsible foreman who, in turn, would notify the UF6 cylinder quality assurance (QA) inspector. The inspector was then required to investigate the abnormality to determine the disposition of the cylinder.

However, the inspector note that the operator did not document the damage to the cylinder on the report and the QA inspector was not notified to determine the disposition of the cylinder. In response, the licensee initiated an investigation into the incident. The inspector's further review of the licensee's failure to document the damage on the cylinder and notify the QA inspector for disposition is an unresolved item. (URI 40-3392/2006-001-01)

(2) Conclusions

One unresolved item was identified regarding further review of the licensee's failure to document the damage on the cylinder and notify the QA inspector for disposition prior to shipment.

d. Follow-up on Previously Identified Issues and Events

(Closed) Event 41857: Failure to ensure that cylinder valves were installed with prescribed torque.

(Closed) Event 42083: Using unauthorized thread lubricant to facilitate installation of cylinder valves.

These events were previously reviewed and resulted in Violation 40-3392/2005-006-03 being issued as documented in Inspection Report 40-3392/2005-006. These events are closed.

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 January 13, 2006. The plant staff acknowledged the findings presented.

## ATTACHMENT

### 1. **PARTIAL LIST OF PERSONS CONTACTED**

#### Licensee

R. Allshouse, Quality Assurance Manager  
J. Cybulski, Supply Chain Process Leader  
D. Edwards, Plant Manager  
R. Erickson, Production Manager  
D. Heine, Operations Specialist  
J. Johnson, Safety Supervisor  
N. Kowalczyk, Regulatory Affairs  
D. Mays, Health, Safety and Regulatory Affairs Manager  
S. Patterson, Health Physics Supervisor  
J. Tortorelli, Regulatory Affairs Manager  
B. Vandermeulen, Quality Assurance Manager

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

### 2. **INSPECTION PROCEDURES USED**

TI 2600/003 Operational Safety Review

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

<u>Item Number</u>	<u>Status</u>	<u>Description</u>
Event 41857	Closed	Failure to ensure that cylinder valves were installed with prescribed torque.
Event 42083	Closed	Using unauthorized thread lubricant to facilitate installation of cylinder valves.
URI 2006-001-001	Opened	The inspector's further review of the licensee's failure to document the damage on the cylinder and notify the QA inspector for disposition.

**4. LIST OF ACRONYMS USED**

ADAMS	Agency Document Access and Management System
CFR	Code of Federal Regulations
NRC	Nuclear Regulatory Commission
PARS	Publicly Available Records
QA	Quality Assurance
UF <sub>6</sub>	Uranium Hexafluoride
URI	Unresolved Item
VIO	Violation