UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM **NUNN** ATLANTA FEDERAL CENTER
61 **FORSYTH** STREET **SW SUITE 23T85**
ATLANTA, GEORGIA **30303-8931**

April 27, 2004

Mr. Rory J. O'Kane
Plant Manager
Honeywell International, Inc.
P.O. Box 430
Metropolis, IL **62690**

SUBJECT: MEETING SUMMARY- CATEGORY 1 MEETING,
HONEYWELL INTERNATIONAL, INC. - DOCKET NO. 040-3392

Dear Mr. O'Kane:

This letter refers to the public meeting at the Massac County Courthouse in Metropolis, Illinois on April 21, 2004, during which you and other Honeywell staff discussed Honeywell's actions to improve safety performance and emergency preparedness as a result of the December 22, 2003, uranium hexafluoride release event. The meeting was beneficial and provided the NRC with a better understanding of the current status of the implementation of your interim and long-term corrective actions.

The names of attendees at the meeting and copies of the handouts are enclosed.

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

Should you have any questions concerning this meeting, please contact me at either 404-562-4731 or jlh@nrc.gov.

Sincerely,

Jay L. Henson, Chief
Fuel Facilities Inspection Branch 2
Division of Nuclear Materials Safety

Docket NO. 040-3392
License No. SUB-526

Enclosures: (See page 2)

Enclosures:
1. kist of Participating Attendees
2. Honeywell Meeting Handout
3. NRC Meeting Handout

cc w/encls:
Gary Wright,
State of Illinois
Department of Nuclear Safety
1035 Outer Park Dr., 5th Floor
Springfield, IL 62704

LIST OF PARTICIPATING ATTENDEES

April 21, 2004

U. S. Nuclear Regulatory Commission

Weaion II

L. Plisco, Regional Administrator, Region II (RII)
D. Collins, Director, Division of Nuclear Materials Safety (DNMS), RII
J. Henson, Branch Chief, Fuel Facility Inspection Branch 2, DNMS, RII

Honeywell

T. Plunkett, Director, Integrated Supply Chain, Specialty Materials, Honeywell
R. O'Kane, Plant Manager, Honeywell International, Inc., Metropolis Plant
D. Mays, Manager, Health, Safety & Regulatory Affairs, Honeywell International, Inc., Metropolis Plant

Enclosure 1

Honeywell

Honeywell Metropolis Plant NRC Status Briefing

April 21, 2004

Agenda

- Current Plant Status
- Plant Improvements Implemented
- Emergency Response Improvements implemented
- Long-Term Improvement Plans
- Concluding Remarks

Current Plant Status

- Phased Approach to Restart of UF_6 Process
  - Described in March 4,2004 Letter
- Ore Preparation
  - NRC Approval March 26,2004
- Green Salt
  - NRC Approval April 14,2004
- Fluorination/Distillation
  - NRC Approval April 17,2004
- Present Operating Status
  - Ore Preparation
  - Green Salt
  - Fluorination/Distillation

Plant Improvements Implemented

- '(: and ıin(
- **Material Condition**
- **Emergency Preparedness**

Plant Improvements Implemented

- **Policies and Procedures**
  - Implemented New and Revised Policies on Procedure Use, Work Planning, and Stop Work Authority
  - Improved Form and Content of Technical Procedures
  - Defined Clear Expectations for Pre-Job Planning
- **Training**
  - Formalized Training on Instructional Techniques
  - Conducted Training on New and Revised Polices and Procedures

Plant Improvements Implemented

- Completed Inspections and Tests of Equipment Within UF_6 Process Needed for Restart
- Ensured Required Equipment Was Operational
- Added Equipment to Improve Safety of UF, Process
  - Pressure Relief Systems
  - Valve Interlocks
  - Instrumentation
  - Alarms
- Added Additional Controls and Alarms for Tank and Railcar Unloading Operations

Emergency Response Improvements

- **Internal Emergency Response improvements**
  - **Improved Definition of Emergency Action Levels**
  - **Clarified Responsibilities and Response Actions for Response Officers**
  - **Developed Emergency Plan Implementing Procedures**
  - **Trained Emergency Response Personnel on New ERP**
  - **Trained Security Personnel on Emergency Response Plan Responsibilities**
  - **Currently Performing Annual HAZMAT Refresher Training for Site Emergency Responders Using Revised ERP.**

Emergency Response Improvements

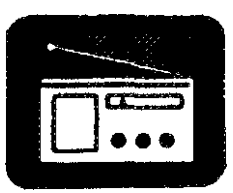
- **External Coordination**
  - Emergency Plan Provided to NRC, State and Local Authorities
  - Onsite Meeting Held with Local Emergency Officials
  - Illinois Emergency Planning Authorities Contacted Concerning Status of Local Emergency Response Committee
  - Responded to Mayor Clanahan's Letter
  - License Amendment Submitted for Emergency Response Plan

Emergency Response Improvements

Initial Notification

- **Sirens**
  - Two sirens for offsite notification
  - Activated by the Metropolis Plant

- **CAN**
  - Public notification system
  - Selected based on input from outside organizations



- **Radio Stations** (Pre-recorded messages)
  - WMOK 920 AM
  - WKYQ 93.3 FM
  - WDDD 107.3

- **Dedicated Phone for Communication with Outside Emergency Responders**

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Honeywell

Emergency Response Improvements

- **Community Information**
  - Radio Stations (Updates)
  - WMOK, WKYQ, and WDDD
- **Emergency Responder Continuous Information**
  - Unlisted Dedicated Number for use by Responders
- **Plant Status Information**
  - Metropolis Plant Info Line 618-524-6300

Emergency Response Improvements

Honeywell MTW Information Line

- **Phone: 618-524-6300**
- **Phone Line will have Five Options:**
  - **For Product Information, press 1**
  - **For Emergency Information, press. 2**
  - **For Additional Emergency Information, press 3**
  - **For Information on Plant Activities, press 4**
  - **For Information on Community Involvement, press. . . .5**

Long Term Performance Improvement

- Measures to Build on Short-Term Restart Efforts
- Objective is to Achieve Excellence in Safe Operations
- Areas to Be Addressed Include
  - Procedures and Training
  - Plant Material condition
  - Emergency Preparedness

Procedures and Training - Long Term

- Continuously Improve New Processes and Methods in UF_6 Operations
  - Procedure Gap Analysis Techniques
  - Operator Training Methods
  - Operator Validation Methods
- Introduce New Processes and Methods Plant-Wide
- Improve Supervisory and Management Training Programs

Material Condition - Long Term

- Implement Honeywell's Maintenance Excellence Program
- Continue Investment in Plant Equipment and Technology
- Utilize Honeywell's Expertise in Industrial Controls to Add Additional Levels of Protection to Plant Processes
- Continue Implementation of Honeywell's Standardized Control Room Guidelines

Emergency Preparedness-Long Term

- **Increase Cooperation and Execution of Emergency Planning With Local Emergency Agencies**
  - **Conduct Table Top Exercises to Support Honeywell Requirements as well as Local Agency Requirements**
  - **Conduct Full Participation Drill at beast Annually**
- **Consolidate Emergency Response Plan and Radiological Contingency Plan**
- **Sustain Community Relations**
  - **Continue Community Awareness Committee**
  - **Participate as a Member of the Upcoming LEPC**

Concluding Remarks

- Honeywell is committed to providing the support and oversight needed to ensure that plant personnel, procedures, equipment and emergency preparedness will support safe and reliable operations.

- Honeywell is committed to making improvements to achieve excellence in safe operations.

- We plan to brief the NRC staff in the future on lessons-learned during our restart and progress on long-term improvements.

U.S. NUCLEAR REGULATORY COMMISSION

PUBLIC MEETING WITH HONEYWELL SPECIALTY CHEMICALS

METROPOLIS, ILLINOIS

APRIL 21,2004

Enclosure 3

MEETING AGENDA

Opening Remarks and Introductions

Loren Plisco, Deputy Regional Administrator, Region II

Honeywell Presentation on Actions to Improve Safety Performance and Emergency Preparedness

Rosy O'Kane, Plant Manager

NRC Presentation on Inspection of Honeywell Improvement Actions

Jay Henson, Chief, Fuel Facility Inspection Branch 2, RII

Closing Remarks

Loren Plisco, Deputy Regional Administrator, Region II

This is a category 1 meeting in which the public is invited to observe and will have ane or more opportunities to communicate with the NRC after the business portion, but before the meeting is adjourned.

LICENSEE SAFETY 'PERFORMANCE IMPROVEMENT PLAN

- Seven improvement areas
  - Emergency response
  - Policies and procedures
  - Training
  - Management of change
  - Mechanical integrity
  - Engineering controls
  - Corrective actions and auditing

LICENSEE RESTART PLAN

- Phased approach
  - Ore prep
  - Green salt
  - Fluorination/distillation

- Specific, short term items from seven areas identified to support restart in each area

NRC OVERSIGHT

- Assess process
- Observe implementation
- Confirm completion
- Brief NRC management
- Restart Decision
- Notify stakeholders
- Inspect restart
- Report

NRC OVERSIGHT

- Review and assessment of proposed actions began on February 24, 2004

- Implementation inspection began March 8-12, 2004 (observation of tabletop emergency drill)

NRC OVERSIGHT

- March 26 – Licensee requested restart of ore preparation
- March 26 – NRC issued no objection to restart
- Restart activities observed for first 48 hours
- Restart progressed without any safety issues

NRC OVERSIGHT

- April 12 – Licensee requested restart of green salt operations
- April 14– NRG issued no objection to restart
- NRC observation of restart initiated
- April 16 – Equipment overheated
- April 20 – Overheat issue resolved; licensee requested restart; NRC issued no objection to restart
- NRC observation of restart resumed

NRC OVERSIGHT

- April 16 – Licensee requested restart of fluorination and distillation operations
- April 17 – NRC issued no objection to restart
- NRC observation of restart initiated
- NRC inspectors remain on site until 48 hours of operations completed

NRC OVERSIGHT

- Increased oversight of licensed activities after restart of all areas
- Inspections scheduled at approximately six week intervals for first three months
- Focus of inspections: Plant Operations, Chemical Safety, Emergency Preparedness, Maintenance/Surveillance, Management Organization and Controls, and Operator Training

NRC OVERSIGHT

- Based on outcome of these two inspections, next inspection to be scheduled within three months
- If outcome of all three inspections acceptable, consider returning to routine inspection frequency