

U.S. NUCLEAR REGULATORY COMMISSION

Region III

Report No. 40-3392/88001(DRSS)

Docket No. 40-3392

License No. SUB-526

Licensee: Allied Signal Corporation
P.O. Box 430
Metropolis, IL 62960

Facility Name: Allied Signal Corporation

Inspection At: Allied Signal Metropolis Plant
Metropolis, Illinois

Inspection Conducted: March 7-11, 1988

Inspector: *W. Snell for*
Marcia J. Smith

3/24/88
Date

Approved By: *William Snell*
William Snell, Chief
Emergency Preparedness Section

3/24/88
Date

Inspection Summary

Inspection on March 7-11, 1988 (Report No. 40-3392/88001(DRSS))

Areas Inspected: Routine, unannounced inspection of the Allied Signal Corporation Metropolis Plant emergency preparedness program in the following areas: radiological contingency plan, procedures, facilities and equipment; coordination with offsite support agencies; tests and drills; and fire protection. The inspection involved one NRC inspector.

Results: No violations, deficiencies, or deviations were identified.

DETAILS

1. Persons Contacted

Allied Signal Corporation, Metropolis, Illinois

- J. Bishop, Plant Manager
- *J. Honey, Manager, Regulatory Affairs
- *R. Yates, Supervisor, Health Physics/Medical Services
- J. Ogle, Safety Supervisor
- *H. Roberts, Supervisor, Health Physics
- L. Bruce, Supervisor, Environmental
- *M. L. Shepherd, Manager, Process Technology/QA
- *M. D. Kosmider, Manager, Production
- M. Smith, Captain, Security Force

*Denotes those listed above that were present at the exit meeting on March 11, 1988.

2. Licensee Actions on Previously-Identified Items

a. (Closed) Open Item No. 40-3392/86002-05

Fresh air supply should be available for the Control Room to ensure habitability under all foreseeable accident scenarios. The licensee had installed and demonstrated the use of dampers and ducts in their present blower system. This provides directional fresh air supply regardless of meteorological conditions. This item is closed.

b. (Closed) Open Item No. 40-3392/86002-11

The licensee had purchased additional radio units to provide direct and backup communications links with offsite support agencies. FCC approval had been received to add a third channel to the present radio system. The third channel was used on three radio units carried by licensee management responsible for contacting and communicating with the Metropolis Police Dispatcher when normal telephone communication links are unavailable. This item is closed.

c. (Closed) Open Item No. 40-3342/86006-09

Notice of Violation. The plant safety department had conducted a total of five training sessions during only two months of 1986. The Radiological Contingency Plan stated that Fire and Rescue Squads (now called the Emergency Response Teams) training sessions would be conducted every month. The licensee adjusted the Radiological Contingency Plan to state that Emergency Response Teams will receive training in fire safety, spill control, personnel rescue, and emergency control procedures three hours per quarter. Training will include classroom as well as "hands on" instruction in the use of fire and rescue equipment. A review of Emergency Response Team training

records and lesson plans was conducted and a determination made that the training program was being conducted as required by the licensee's Radiological Contingency Plan. This item is closed.

d. (Closed) Open Item No. 40-3392/86006-10

A systematic initial and retraining program should be established to familiarize administrative personnel with the Radiological Contingency Plan. The licensee had added an annual review of the Emergency Response Program for all the Safety committee's training. Administrative Personnel were included in these committee training sessions and also were included in quarterly personnel accountability drills. This item is closed.

3. Offsite Support Agencies

Coordination of Emergency Planning

Discussion with responsible licensee management confirmed that agencies identified in the contingency plan as response organizations were the Massac County Hospital and the Metropolis Police and Fire Departments. The Allied facility was located in the county and was part of the county government response. The Metropolis Police Dispatcher was used as a notification point instead of the county, as they have 24-hour notification capabilities. The Fire Department consisted of volunteers appointed upon recommendations of their ward committeemen.

The licensee has a verbal arrangement with the Metropolis Fire Department for assistance in firefighting on their property. In this informal verbal agreement, the Metropolis Fire Department agreed to follow the directions of knowledgeable plant personnel in assisting in fire fighting.

The above agreements allow the licensee to protect the health and safety of workers and the public; however, letters of agreement confirming these informal arrangements were not part of the licensee's Plan. The licensee agreed to obtain a letter of agreement with the Metropolis Police and place it in the Plan. The licensee also agreed to investigate the legal necessity for a letter of agreement with the Metropolis Fire Department.

The licensee had a standing offer to conduct training and plant tours upon the request of county and local support agencies. 1987 training and tours were conducted for the Massac County Hospital nurses and the newly appointed county Emergency Services Disaster Agency (ESDA) Coordinator. The Manager, Regulatory Affairs, along with appointed local officials, is an active member of the local emergency planning commission as required by Title III of the Emergency Planning and Community Right to Know Act. The licensee has provided a list of hazardous materials located on their property to designated individuals involved in emergency response assistance.

Based on the above review, this portion of the licensee's program is adequate.

4. Emergency Plans, Procedures, Facilities, and Equipment

Emergency Plans and Procedures

The licensee had completed the annual Contingency Plan review in February 1988. The inspector determined that plan changes had been reviewed and approved by the Plant Manager and the Regulatory Affairs Manager. The changes did not downgrade the effectiveness of the licensee's ability to protect worker and public health and safety.

Emergency Kits, Communications, Rendezvous Facilities, and Onsite Medical Facilities

Equipment tests, including radio tests, were conducted per requirements of the Radiological Contingency Plan and adequately documented. Equipment malfunctions were noted and corrected immediately. Emergency Tool and Response Gear Cabinet inventories were conducted as required by the Contingency Plan. The inspector inventoried a random selection of several cabinets and found them clean and containing the required functional equipment. A tag on the outside of the cabinet indicated the date of the last inventory and initials of responsible personnel. Uranium hexafluoride (UF6) evacuation and civil defense disaster alarms were tested on the first Wednesday of the month. During these tests, one person is stationed on each floor to test emergency flashing lights, UF6 alarms, and Civil Defense alarms. A review of test records indicated that monthly tests were conducted as required by UF6 evacuation procedures and any malfunctions were corrected immediately.

The emergency call list was updated quarterly and posted at all Control Points. Security personnel and the communications officer were knowledgeable of public notification procedures. These procedures were located in an envelope at the security desk and security personnel only activated them upon orders from the communications officer. A total of six residents are involved in offsite notifications. By procedure, four residents are notified by telephone and two by security guards. After telephone calls are made, a security guard drives to the area to assure that all residents have been notified.

During a plant tour the inspector tested various eye wash fountains and acid removal showers and found them operational. Onsite rendezvous facilities were examined and determined to be readily accessible and contained communication equipment and emergency response gear and tools as specified in the Radiological Contingency Plan. Procedures for employee accountability were examined and found adequate. During the plant tour, various air tanks were also examined and found operational.

Based on the above review, this portion of the licensee's program is adequate.

5. Tests and Drills

Implementation of Tests and Conduct of Drills

Procedures and records of quarterly evacuation drill's were evaluated. Quarterly drills were held in accordance with procedures, and employee accountability was adequately demonstrated in each drill. Employees reported to their control points in a timely manner and accountability was accomplished within adequate time frames.

The action plan developed by licensee management in response to critique items identified during the annual exercise was also reviewed. All items identified by the NRC and the licensee were itemized and assessed by responsible plant management. Corrective action responsibilities with completion dates were assigned to knowledgeable management personnel. A review of action plan records revealed that all items had been addressed and completed as required.

Based on the above review, this portion of the licensee's program is adequate.

6. Fire Protection

There had been no significant fire fighting procedural changes since the last inspection. An interview with licensee safety management personnel and a review of fire fighting procedures revealed that adequate fire fighting procedures remained in effect. Emergency Response Teams were trained quarterly in search and rescue, spill control, fire safety, and emergency control procedures as required by the Radiological Contingency Plan. Multi-media first aid training is presented to Emergency Response Teams every two years. During the plant tour, various pieces of fire fighting equipment were checked for operational readiness. Inventory tags on equipment were current and all equipment appeared to be ready for use.

Based on the above review, this portion of the licensee's program is adequate.

7. Exit Interview

The inspector conducted an exit interview on March 11, 1988, with the licensee representatives denoted in Section 1. The inspector discussed the scope and findings of the inspection. The licensee indicated that none of the information discussed during the exit was proprietary.