

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I  
INSPECTION REPORT

Report No. 030-06195/93-001

Program Code 3620

Docket No. 030-06195

License No. 37-08802-01

Priority 5

Category E

Licensee: Rhone-Poulenc Rorer, Inc.  
Rhone-Poulenc Rorer Central Research  
620 Allendale Road  
King of Prussia, Pennsylvania 19406

Facility Name: Rhone-Poulenc Rorer, Inc.  
Rhone-Poulenc Rorer Central Research

Inspection At: 620 and 640 Allendale Road  
King of Prussia, Pennsylvania

Inspection Conducted: November 10, 1993

Inspectors: Sheri A. Arredondo 12/21/93  
Sheri A. Arredondo, Health Physicist date  
Anthony Dimitriadis 1/12/94  
Anthony Dimitriadis, Health Physicist date  
Approved by: M. Shanbaky 1/12/94  
Mohamed M. Shanbaky, Chief date  
Research and Development Section  
Division of Radiation Safety and  
Safeguards

Inspection Summary: Closeout Inspection on November 10, 1993 (Inspection  
No. 030-06195/93-001.

Area Inspected: Announced, closeout inspection limited to a survey of 640 Allendale Road for residual contamination prior to release of the facility for unrestricted use. Nine wipes were taken and assayed for removable gross beta and gross gamma contamination. A survey was performed of selected locations throughout the facility.

Results: No violations were identified. No remaining radioactive material was found.

## DETAILS

### 1. Persons Contacted

Curt Fillmore, Manager, Health Safety and Environmental  
Richard A. Mariner, Manager, Real Estate

### 2. Background

The facilities located at 620 and 640 Allendale Road, King of Prussia, Pennsylvania have been licensed by the NRC since July 6, 1986. The licensee stated that no work involving radioactive material had ever occurred at 640 Allendale Road. Occasionally packages containing radioactive materials were received at 640 Allendale Road, however, the packages were hand carried to the building located next door, 620 Allendale Road for use. All work involving radioactive material occurred in the building at 620 Allendale Road. The building included office space, radioisotope laboratories, radioisotope storage areas, and a radioisotope waste processing room.

In a letter dated April 22, 1993, Rhone-Poulenc Rorer submitted a request to remove the facilities located at 620 and 640 Allendale Road, King of Prussia, Pennsylvania from their NRC license. Based on the information submitted, no radioactive materials have been used at the licensee's facilities since that time. All radioactive materials were disposed of on August 10 and August 12, 1992 by Teledyne Isotopes, a licensed radioactive waste broker. Also, a closeout survey was performed by Teledyne Isotopes of the licensee's facilities located at 620 and 640 Allendale Road, King of Prussia, Pennsylvania and a copy of the results were submitted to the NRC in a letter dated July 13, 1993.

### 3. Instruments Used in Survey

Nine wipe samples were taken to measure removable contamination in the areas where radioactive materials were used, namely, the drug disposition, pharmacology, molecular biology, and waste processing areas in Building 620. Wipes were counted on a Packard Tri-Carb Liquid Scintillation Analyzer. The Minimum Detectable Activity (MDA) for this system for tritium and carbon-14 is 4 disintegrations per minute (dpm).

A radiological survey was performed throughout the facility in selected locations where the largest amounts of radioactive materials were stored or used. The survey was performed using an Eberline Model 3-120 Geiger Counter with a thin end-window.

4. Results of Removable Contamination Survey

Areas of approximately 100 square centimeters were wipe tested at nine locations throughout the facility. A diagram showing the locations of wipes is included as Attachment A to this report. A complete list of wipe results is included as Attachment B to this report.

5. Results of Radiation Level Survey

No levels of radiation above background were found.

6. Residual Materials

The facility is empty, and no radioactive material remains at this facility. Licensee records indicate that all radioactive materials were transferred to Teledyne Isotopes on August 10 and August 12, 1992.

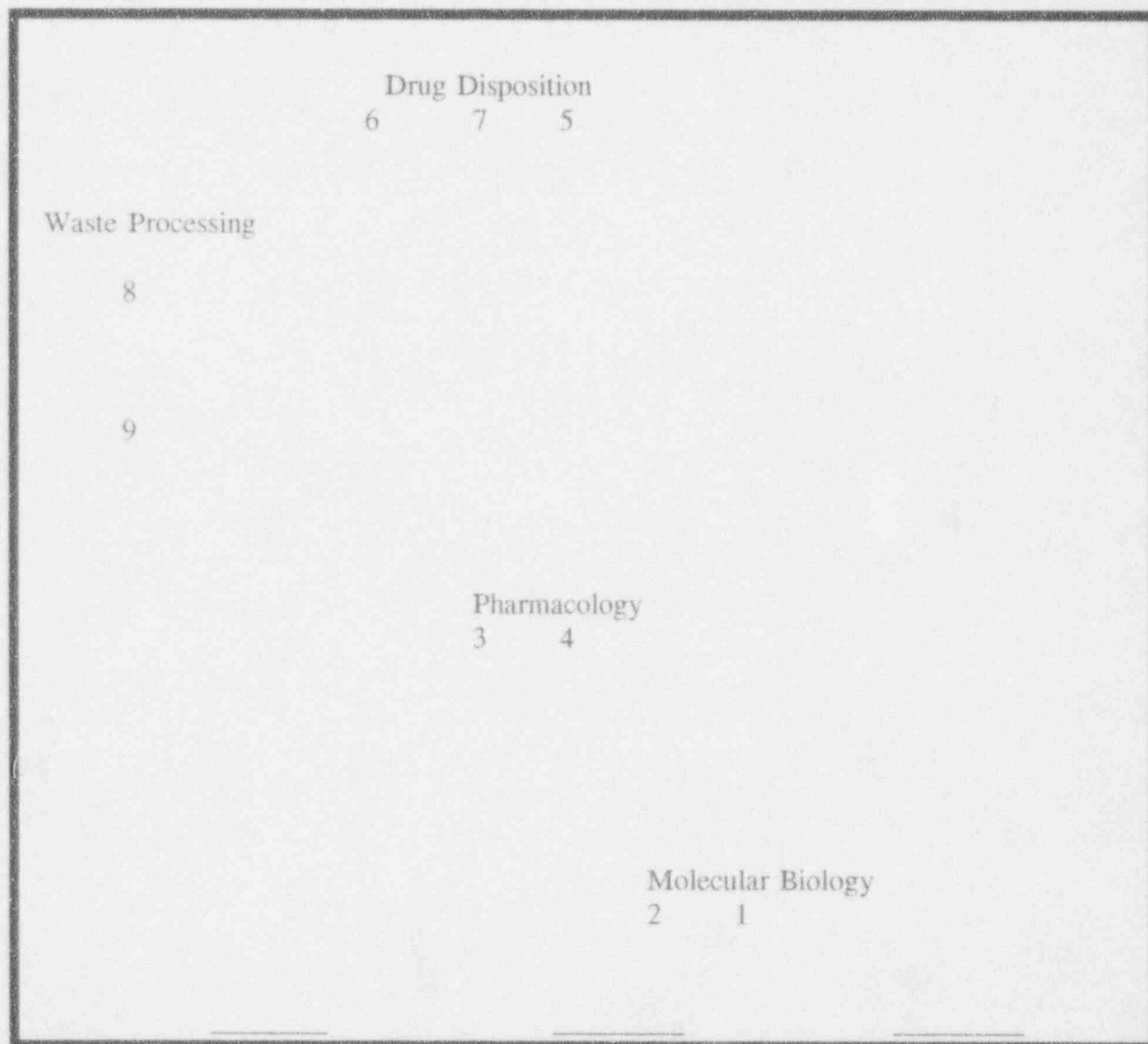
7. Exit Interview

The results of the initial survey were discussed with Curt Fillmore and Richard A. Mariner.

# ATTACHMENT A

Diagram of Removable Contamination Survey

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## ATTACHMENT B

### Results of Removable Contamination Survey

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Location	Tritium (dpm/wipe)	Carbon-14 (dpm/wipe)
1. Molecular Biology Area	6	< MDA
2. Molecular Biology Area	< MDA	< MDA
3. Pharmacology Area	< MDA	< MDA
4. Pharmacology Area	5	< MDA
5. Drug Disposition Area	< MDA	< MDA
6. Drug Disposition Area	< MDA	< MDA
7. Drug Disposition Area	5	< MDA
8. Waste Processing Area	15	< MDA
9. Waste Processing Area	< MDA	< MDA