

July 9, 2010

Mr. Timothy Popp
Radiation Safety Officer
Pfizer Inc.
7000 Portage Road
Kalamazoo, MI 49001

SUBJECT: NRC INSPECTION REPORT 030-36482/10-001(DNMS) – PHARMACIA
CORPORATION

Dear Mr. Popp:

On June 29, 2010, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at the Pharmacia Corporation, wholly owned subsidiary of Pfizer, Inc., 700 Chesterfield Parkway West site. The purpose of the inspection was to determine whether decommissioning activities were being conducted safely and in accordance with NRC requirements. Specifically, the inspectors evaluated the scope and conduct of decommissioning activities in support of future license termination. At the conclusion of the May 18, 2010, on-site inspection, the NRC inspectors discussed the preliminary findings with your staff. On June 29, 2010, the NRC completed an in-office review of test results for removable contamination collected during the on-site inspection. On June 29, 2010, the NRC inspectors conducted a telephone final exit meeting with you to discuss the results of the on-site inspection and the NRC's in-office review.

The inspection consisted of an examination of activities as they relate to safety and compliance with the Commission's rules and regulations. Areas examined during the inspection are identified in the enclosed report. Specifically, the NRC performed independent radiological surveys, discussed and reviewed the initial radiological survey characterization work, and evaluated actions to comply with NRC regulations for protection against radiation. Within these areas, the inspection consisted of a selective examination of procedures and representative records, interview with personnel, and the conduct of independent NRC surveys.

Based on the inspection findings, no violations of NRC requirements were identified.

In accordance with 10 CFR 2.790 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>.

T. Popp

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We will gladly discuss any question you may have regarding this inspection.

Sincerely,

/RA/

Christine A. Lipa, Chief
Materials Control, ISFSI, and
Decommissioning Branch
Division of Nuclear Materials Safety

Docket No. 030-36482
License No. 24-32439-01

Enclosure:
Inspection Report 030-36482/10-001(DNMS)

cc w/encl: K. Henke, Missouri Department of Natural Resources
J. Langston, Missouri Department of Natural Resources
Mark Eichkorn, Pfizer, Associate Director of Environmental Health and Safety

T. Popp

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cc w/encl: K. Henke, Missouri Department of Natural Resources
J. Langston, Missouri Department of Natural Resources
Mark Eichkorn, Pfizer, Associate Director of Environmental Health and Safety

Distribution:
Cynthia Pederson
Steven Reynolds
Patrick Loudon
Steven Orth
Patricia Pelke
Tamara Bloomer
Paul Pelke
Carole Ariano
Lionel Rodriguez
Patricia Buckley
Tammy Tomczak

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No.: 030-36482

License No.: 24-32439-01

Report No.: 030-36482/10-001(DNMS)

Licensee: Pharmacia Corporation
Wholly Owned Subsidiary of Pfizer, Inc.

Facility: Pharmacia Corporation,
700 Chesterfield Parkway West Site
Wholly Owned Subsidiary of Pfizer, Inc

Location: 700 Chesterfield Parkway West
Chesterfield, MO 63017-1732

Dates: May 18, 2010 (on-site)
In-office review June 29, 2010

Inspectors: Katie Streit, Health Physicist
Lionel Rodriguez, Nuclear Safety Professional

Approved by: Christine A. Lipa, Chief
Materials Control, ISFSI,
and Decommissioning Branch
Division of Nuclear Materials Safety

Enclosure

EXECUTIVE SUMMARY

Pharmacia Corporation (Wholly Owned Subsidiary of Pfizer, Inc.) NRC Inspection Report 030-36482/10-001(DNMS)

This decommissioning inspection involved the inspection of the licensee's decommissioning activities performed in support of the planned license termination. The U.S. Nuclear Regulatory Commission (NRC) inspectors evaluated the licensee contractor's conduct of surveys. The inspectors also performed limited independent radiological surveys of closed-out laboratories and conducted tests for removable contamination to confirm that radiological contamination remaining in the facility was consistent with NRC unrestricted radiological use criteria.

Closeout Inspection and Survey (IP 83890)

- No findings of significance were identified. The licensee's contract personnel's final status survey techniques, chain-of-custody activities, and documentation of survey findings were consistent with the licensee's license and NRC requirements. The inspectors confirmed that the licensable quantities of radiological materials had been removed from the facility.

Decommissioning Inspection Procedure for Material Licensees (IP 87104)

- No findings of significance were identified. The licensee's decommissioning work was performed in a manner that protects the health and safety of workers and the general public. The licensee's use of protective equipment, access control, and calibration of survey equipment was in compliance with license and NRC requirements.

Report Details

1.0 Closeout Inspection and Survey (IP 83890)

a. Inspection Scope

The U.S. Nuclear Regulatory Commission (NRC) inspectors observed and evaluated the conduct of the licensee's final status surveys (FSS). The inspectors performed random and biased radiological surveys of closed-out laboratories and collected tests for removable contamination to confirm that contamination levels in the facility were consistent with NRC unrestricted radiological use criteria. The NRC inspectors interviewed personnel and toured the facility to ensure radioactive material was no longer stored onsite.

b. Observations and Findings

The NRC inspectors observed a radiation worker performing FSS measurements at different measurement locations, which were based on Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) methodology. The worker demonstrated use of the survey instrumentation and techniques for collecting survey data appropriately. The NRC inspectors performed biased scans of surfaces in laboratories and a restroom, using a calibrated meter with a Geiger-Mueller (GM) pancake detector. Scans included countertops, laboratory sinks, drawer handles, door knobs, and floor sections. No contamination above ambient background levels was identified.

The inspectors collected 4 wipe samples to test for removable contamination in the areas surveyed. These samples were sent to the NRC's contract laboratory, the Oak Ridge Institute for Science and Education (ORISE), for carbon-14 and hydrogen-3 analysis. The samples were collected in biased locations, which included the entry way to two prior radiochemistry laboratories and a laboratory countertop. The results of the analysis indicated that the removable contamination results were not detectable above the minimum detectable concentration. (ML101880319)

The NRC inspectors verified that an irradiator, which was taken off the license within the past year, had been removed. The NRC survey of the prior irradiator room identified no contamination above background.

c. Conclusion

No findings of significance were identified. The licensee's contract personnel's FSS techniques, chain-of-custody activities, and documentation of survey findings were consistent with MARSSIM methodology, the licensee's license, and NRC requirements. The inspectors confirmed that the licensable quantities of radiological materials had been removed from the facility.

2.0 Decommissioning Inspection Procedure for Material Licensees (IP 87104)

a. Inspection Scope

The NRC inspectors observed and evaluated licensee personnel use of protective clothing, and on-site checks of radiological survey equipment. The inspectors

interviewed licensee personnel to determine understanding and knowledge pertaining to radiation protection requirements and practices.

The inspectors reviewed and evaluated the licensee's documentation, including radiation worker training records, instrument calibration, and daily check records.

b. Observations and Findings

The licensee implemented radiological control techniques according to license and NRC requirements. The licensee's use of protective equipment and clothing during the final status survey activities were in accordance with the license and NRC regulations. The licensee contractor's instruments calibration, daily meter checks, and use of radiation survey instrumentation were compliant with license requirements and adequate to determine radiological conditions at the site.

The inspectors noted during interviews that the licensee's health physics personnel demonstrated an adequate understanding of radiation safety training and operational safety procedural requirements. The NRC verified that the contractors had completed the licensee's training prior to conducting work at the site.

c. Conclusion

No findings of significance were identified. The licensee's decommissioning work was performed in a manner that protects the health and safety of workers and the general public. The licensee's use of protective equipment, access control, and calibration of survey equipment was in compliance with license and NRC requirements.

3.0 Exit Meetings

The inspectors presented preliminary inspection results to members of the licensee's management and the licensee's contractor at the conclusion of the on-site inspection on May 18, 2010. A final telephone exit was conducted on June 29 with members of the licensee's management. The licensee did not identify any documents or processes reviewed by the inspectors as proprietary.

ATTACHMENT: SUPPLEMENTAL INFORMATION

PARTIAL LIST OF PERSONS CONTACTED

Mark Ferin, Associate Director of Environmental Health and Safety*
Timothy Popp, Radiation Safety Officer#
Dave Culp, Chase Environmental*

* Persons present at the preliminary exit meeting on May 18, 2010.
Persons present at the telephonic exit meeting on June 29, 2010.

INSPECTION PROCEDURES USED

IP 83890 Closeout Inspection and Survey
IP 87104 Decommissioning Inspection Procedure for Material Licensees

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened None
Closed None
Discussed None

PARTIAL LIST OF DOCUMENTS REVIEWED

Licensee documents reviewed and utilized during the course of this inspection are specifically identified in the "Report Details" above.

LIST OF ACRONYMS USED

CFR Code of Federal Regulations
FSS final status survey
GM Geiger-Mueller
IP Inspection Procedure
NRC U. S. Nuclear Regulatory Commission
MARSSIM Multi-Agency Radiological Survey and Site Investigation Manual
ORISE Oak Ridge Institute for Science and Education
RSO Radiation Safety Officer