September 18, 2009

Mr. Evert W. VanderBerg
Corporate Environmental Health and Safety Manager
Oliver Medical Packaging
445 South Street, NW
Grand Rapids, MI 49504

SUBJECT: NRC REACTIVE INSPECTION REPORT NO. 99990003/2009-016(DNMS)
OLIVER MEDICAL PACKAGING

Dear Mr. VanderBerg:

On July 14, 2009, a Nuclear Regulatory Commission inspector conducted a reactive inspection at your Grand Rapids, Michigan facility, Inspection Report No. 99990003/2009-016 enclosed. The purpose of the inspection was to follow up on a leaking generally licensed gauge at the facility that occurred on February 27, 2009. The enclosed report presents the results of this inspection.

This inspection was an examination of activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. Within these areas, the inspection consisted of selected examination of procedures and representative records, observations of activities, and interviews with personnel.

Based on the results of this inspection, the NRC has determined that no violations of NRC requirements occurred with regards to the leaking generally licensed gauge that occurred at your facility in Grand Rapids, Michigan.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access & Management System (ADAMS), accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made available to the Public without redaction.

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

Sincerely,

/RA/

Tamara Bloomer, Chief
Materials Inspection Branch

Docket No.: 99990003-016
License No.: 10 CFR 31.5

Enclosure:
NRC Inspection Report 99990003/2009-016(DNMS)

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

Sincerely,

/RA/

Tamara Bloomer, Chief
Materials Inspection Branch
Regional Administrator

Docket No.: 99990003-016
License No.: 10 CFR 31.5

Enclosure:
NRC Inspection Report 99990003/2009-016(DNMS)

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REGION III

Docket No.	99990003
License No.	10 CFR 31.5
Report No:	2009-016(DNMS)
Licensee:	Oliver Medical Packaging
Location Inspected:	445 Sixth Street Grand Rapids, Michigan 49504
Inspection Date:	July 14, 2009
Exit Meeting:	July 14, 2009
Inspector:	Edward Kulzer, Health Physicist
Accompanied by:	Kenneth Koble, Health Physicist, Michigan Department of Environmental Quality
Approved by:	Tamara Bloomer, Chief Materials Inspection Branch

Enclosure

EXECUTIVE SUMMARY

Oliver Medical Packaging
NRC Inspection Report 99990003/2009-016(DNMS)

This was a reactive inspection conducted on July 14, 2009, to review the circumstances associated with the licensee's report of a leaking generally licensed gauge in Grand Rapids, Michigan. Oliver Medical Packaging received a report from Nuclear Scanning Services that a routine leak test revealed removable contamination on February 27, 2009. The licensee immediately removed the leaking gauge from service. Oliver Medical Packaging reported to the Michigan Department of Environmental Quality on March 5, 2009, that the generally licensed gauge containing Pm-147 was leaking.

The NRC inspector conducted leak tests on the other four gauges currently in use at the facility. The inspector sent these leak tests to the Oak Ridge Institute for Science and Education for analysis. The results of the leak tests collected by the NRC inspector were within normal background levels. While at the facility, the NRC inspector requested that the leaking generally licensed gauge be returned via manufacturers instructions to the manufacturer (Applied Technologies Incorporated). The licensee followed these instructions and returned the gauge.

Report Details

1.0 Program Scope and Inspection History

The general licensee possesses six Adaptive Technologies Industries Model AT- 100 P gauges containing 9 milli curies Promethium-147 beta sources. The licensee uses these devices on their hot melt adhesive coating packaging machine. During routine leak tests conducted on February 27, 2009, one of the generally licensed gauges was reported leaking. Oliver Medical Packaging stated that any exposure to the leaking source was minimal and that it was limited to the packaging of the source itself.

2.0 Event Chronology

2.1 Inspection Scope

On February 27, 2009, Oliver Medical Packaging received a report from its testing laboratory Nuclear Scanning Services indicating a positive result for leakage on one of the Promethium -147 beta sources. The licensee contacted Michigan Department of Environmental Quality who inspected the facility on March 5, 2009. Michigan Department of Environmental Quality issued a report. The NRC Region Operations Center notified NMED who requested additional information required to close this event on June 12, 2009.

On July 14, 2009, an NRC inspector conducted a reactive inspection at Oliver Medical Packaging to determine if any additional generally licensed sources were leaking and to ensure that the leaking gauge was properly disposed of.

2.2 Observations and Findings

The NRC inspector was accompanied by Mr. K. Koble, a health physicist from the Michigan Department of Environmental Quality. The NRC inspector collected wipe samples from the four sources on the hot melt packaging machine, including a wipe sample from the top Mylar membrane of the source on the machine, and wipe samples from both the inside and outside of the container holding the leaking source. The NRC inspector collected a control wipe sample using the same gloves and equipment used to collect the actual wipe samples, and a blank wipe sample that the inspector collected in a clean environment with no contamination.

The NRC inspector sent the wipe samples collected to the Oak Ridge Institute for Science and Education for analysis. See Table 1 for results.

The inspectors conducted survey readings around the packaging area including the packaging machine and found no readings above background.

The NRC inspector reviewed the packaging instructions issued by the manufacturer for return of the leaking gauge and requested that Oliver Medical Packaging follow these instructions and return the leaking gauge.

2.2 Conclusions

The results of the wipe samples collected were within normal background levels.

Table 1

Sample Collection and Analysis Data

Sample Identification	Gross beta dpm/wipe	Gross alpha dpm/wipe
Waste container (outside)	-3.6 ± 5.6, 14.0	-0.4 ± 1.9, 11.0
Waste container (inside)	0.5 ± 6.9, 14.0	1.7 ± 4.6, 11.0
Gauge s/n 021024	10.9 ± 8.0 , 12.9	
Gauge s/n 021019	8.4 ± 7.8, 12.9	
Gauge s/n 021020	10.3 ± 7.9, 12.9	
Gauge s/n 021022	4.0 ± 7.4, 12.9	
Gauge (top of source) s/n 021019	19.9 ± 8.6, 12.9	
control	0.5 ± 6.9, 14.0	-0.4 ± 1.9, 11.0

The Minimum Detectable Concentrations are after the comma

The different types of wipes collected required analyzing the samples by different methodologies.

3.0 Notifications and Reports

3.1 Inspection Scope

The inspector interviewed the RSO and reviewed the licensee's report NRC to determine that the appropriate notifications and reports had been made concerning the event.

3.2 Observations and Findings

The licensee notified the NRC regarding the leaking gauge on March 26, 2009, with a written report within 30 days, as required by 10 CFR 30.35(c).

3.3 Conclusions

At the time of this report, the licensee made the initial notification required by 10 CFR 30.35(c).

4.0 Exit Meeting Summary

The NRC inspectors presented preliminary conclusions, as described in this report, with licensee management during the exit meeting conducted at the licensee's facility on July 14, 2009, and by telephone with the results of the leak testing on September 8, 2009. The inspector discussed the activities reviewed and the inspection findings. The licensee did not identify any documents or processes reviewed by the inspectors as proprietary. The licensee acknowledged the findings presented.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

PARTIAL LIST OF PERSONNEL CONTACTED

Licensee

* Evert W. VanderBerg, Radiation Safety Officer

* attended the exit meeting on July 14, 2009