

INSPECTION RECORD

Region III Inspection Report No. 2012-01

License No. 24-32242-01
Docket No. 030-35330

Licensee (Name and Address):
Stowers Institute for Medical Research
1000 E. 50th St.
Kansas City, Missouri

Location (Authorized Site) Being Inspected
Same as above

Licensee Contact: Tonyea Inglis, RSO Telephone No. 816-926-4434

Priority: 5 Program Code: 03620

Date of Last Inspection: Feb. 6, 2007 Date of This Inspection: 3/1/2012

Type of Inspection: () Initial () Announced () Unannounced
(X) Routine () Special

Next Inspection Date: 3/1/2017 (x) Normal () Reduced

Justification for reducing the routine inspection interval:

Summary of Findings and Actions:

- () No violations cited, clear U.S. Nuclear Regulatory Commission (NRC) Form 591 or regional letter issued
- () Non-cited violations (NCVs)
- () Violation(s), Form 591 issued
- (X) Violation(s), regional letter issued
- () Followup on previous violations

Inspector(s) Kenneth J. Lambert
(Name)

Date 3/30/12

Kenneth J. Lambert
(Signature)

Bill C. Lin
(Name)

Date 5/30/12

Bill C. Lin
(Signature)

Approved Tamara E. Bloomer, Chief, MIB
(Name)

Date 3/30/12

Tamara E. Bloomer
(Signature)

PART I-LICENSE, INSPECTION, INCIDENT/EVENT, AND ENFORCEMENT HISTORY

1. AMENDMENTS AND PROGRAM CHANGES:

(License amendments issued since last inspection, or program changes noted in the license)

<u>AMENDMENT #</u>	<u>DATE</u>	<u>SUBJECT</u>
22	11/21/2011	Addition of Authorized User
21	8/11/2010	Addition of Authorized User

2. INSPECTION AND ENFORCEMENT HISTORY:

No violations were cited as a result of the previous safety inspection conducted in February 2007.

3. INCIDENT/EVENT HISTORY

None

PART II - INSPECTION DOCUMENTATION

1. ORGANIZATION AND SCOPE OF PROGRAM:

Stowers Institute for Medical Research (licensee) is a medical research entity authorized for research and development including animal studies using radioactive materials such as Hydrogen-3, Sulphur-35, Carbon-14, Iodine-125, Phosphorus-32, Phosphorus-33, and Cesium-137 (Cs) as a sealed source for irradiation of materials.

2. SCOPE OF INSPECTION:

Inspection Procedure(s) Used: 87126

Focus Areas Evaluated: 03.01-03.07

During the routine safety inspection, the inspectors discussed with the licensee's staff the protocols for: (1) removable contamination surveys; (2) package receipt and handling; (3) waste disposal procedures; (4) security of licensed material; (5) sealed source inventory and leak test results; (6) staff training; (8) radiation safety program reviews; (9) receipt, use, transfer, and disposal tracking system for license material; (10) calibration of survey instruments; (11) decontamination procedures; and (12) dosimetry records.

The inspectors also toured labs where radioactive materials were being used and observed demonstrations by licensee staff regarding package receipt, decontamination, waste disposal, and daily radiation safety protocols such as the different contamination control techniques applied by laboratory personnel when using radioactive materials.

3. INDEPENDENT AND CONFIRMATORY MEASUREMENTS:

During the safety inspection, the inspectors performed independent surveys with all readings below regulatory compliance limits. The NRC inspectors performed independent surveys using the HP 260 Geiger Muller Pancake probe with the Ludlum Model 2403 survey meter, serial number 161605. The calibration due date for the survey meter is June 14, 2012.

4. VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES:

No Safety Violations were identified

5. PERSONNEL CONTACTED:

- * Dr. David Chao, President and CEO
- * Gabriel Kieel, EHS Specialist
- * Shannon Scott, Senior EHS Specialist
- *# Tonyea Inglis, RSO

- # Individual(s) present at entrance meeting
- * Individual(s) present at exit meeting