

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Advanced Healthcare Diagnostic Services LLC 4061 Highway PP Poplar Bluff, Missouri 3901 REPORT NUMBER(S) 2008-001		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 030-36170		4. LICENSEE NUMBER(S) 24-32434-01	
5. DATE(S) OF INSPECTION June 12, 2008			

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

_____ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

- 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

① 10 CFR 35.67 (b)(2) requires, in part, that a licensee in possession of a sealed source test the source for leakage at intervals not to exceed 6 months, with exceptions not applicable in this case. Contrary to the above, the licensee failed to leak test ~~from~~ 2 sources containing Cs-137 which are subject to the leak test requirement from approximately June 2007 to June 12, 2008, a period exceeding 6 months. The licensee will leak test the sources today, and will ^{post} place a chart with required dates in the hot lab to remind licensee personnel to perform leak tests in the future, at the required frequency.

② 10 CFR 35.67 (g) requires, in part, that a licensee in possession of sealed sources shall conduct a semi-annual physical inventory of all such sources in its possession. Contrary to the above, the licensee failed to perform such an inventory between approximately June 2007 and June 12, 2008, a period exceeding six months. The licensee has performed an inventory today, and will post a chart with required dates in the hot lab to remind licensee personnel to perform inventories at the required frequency in the future.

Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE	STEVE MYERS, ASSISTANT ADMINISTRATOR	<i>Steve Myers</i>	6/12/08
NRC INSPECTOR	Geoffrey M. Warren	<i>Geoffrey M. Warren</i>	6/12/08

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6. INSPECTION PROCEDURES USED 87130		7. INSPECTION FOCUS AREAS 03.01 - 03.08	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02201	2. PRIORITY 5	3. LICENSEE CONTACT Kenneth B. McVey, M.D., RSO	4. TELEPHONE NUMBER 573-727-9150
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<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: June 2013
<input type="checkbox"/> Field Office	
<input type="checkbox"/> Temporary Job Site Inspection	

PROGRAM SCOPE

The licensee was a nuclear medicine clinic located in Poplar Bluff, Missouri. The licensee served patients primarily from the local and surrounding counties. Licensee had authorization to perform procedures using byproduct materials under 10 CFR 35.100 and 35.200. Licensed activities were conducted only at the location indicated on the license. The nuclear medicine department was staffed with one full-time nuclear medicine technologist, who typically administered around 120 diagnostic doses monthly. Doses were primarily technetium-99m for cardiac, bone, and other tests, received as unit doses from a licensed radiopharmacy. All waste was either held for decay-in-storage or returned to the radiopharmacy.

Performance Observations

The inspector observed two administrations of licensed material including dose preparation and disposal, as well as wipe counter and survey meter QC, package receipt surveys, and dose calibrator constancy, and noted no concerns with the activities. Licensee personnel demonstrated daily and weekly contamination surveys, and the inspector identified no issues. Interviews with licensee staff indicated adequate knowledge of radiation safety concepts and procedures. Surveys indicated appropriate radiation levels in restricted and unrestricted areas.

The inspector closed a violation concerning an unauthorized location of use from the previous inspection. Licensee personnel described delivery of doses from the radiopharmacy, and confirmed that all such deliveries were made directly to the nuclear medicine hot lab, not to the location identified during the previous inspection. Pharmacy personnel had been provided a key so that they could access the hot lab if no licensee personnel were present.

The inspector cited the licensee for two violations concerning failure to conduct the inventory and leak tests at the required frequency. The technologist had believed that these activities were required to be performed annually, instead of the actual six-month frequency. The inspector performed an inventory and all sources were identified.