

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: McDonnell Douglas Corporation St. Louis, Missouri 63166		2. NRC/REGIONAL OFFICE REGION III US NUCLEAR REGULATORY COMMISSION 2443 WARRENVILLE ROAD, SUITE 210 LISLE, ILLINOIS 60532	
REPORT	2007-001		
3. DOCKET NUMBER(S) 030-05081	4. LICENSEE NUMBER(S) 24-02261-03	5. DATE(S) OF INSPECTION March 14, 2007	

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)

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			
NRC INSPECTOR	Geoffrey M. Warren		3/14/07

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION



1. LICENSEE McDonnell Douglas Corporation REPORT NUMBER(S) 2007-001		2. NRC/REGIONAL OFFICE Region III	
3. DOCKET NUMBER(S) 030-05081	4. LICENSE NUMBER(S) 24-02261-03	5. DATE(S) OF INSPECTION March 14, 2007	
6. INSPECTION PROCEDURES USED 87126		7. INSPECTION FOCUS AREAS 03.01 - 03.07	
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM CODE(S) 03610	2. PRIORITY 3	3. LICENSEE CONTACT Rodney Cadanau, RSO	4. TELEPHONE NUMBER 314-232-2293

<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: Mar. 2010
<input checked="" type="checkbox"/> Field Office <u>Buildings 101, 102, and 105</u>	
<input type="checkbox"/> Temporary Job Site _____	

PROGRAM SCOPE

Licensee operated a Type A broad-scope research and development program, and was authorized to conduct operations at facilities operated by McDonnell Douglas Corporation in the St. Louis area. In addition, the licensee was authorized for a cesium-137 irradiator for instrument calibrations, cesium-137 in bucking bars, and americium-241 in FLIR systems. While the licensee was authorized to perform instrument calibrations commercially, calibrations were limited to licensee-possessed instruments. No unsealed material had been possessed since before the previous inspection. The radiation safety committee (RSC) had approved a project evaluating a device for possible future use, but no material had been received yet for that project. Approximately twenty people, including the RSO, were routinely involved with the use of licensed materials. Members of the RSC performed annual audits of each area containing licensed materials. All shipments of licensed material since the previous inspection had been shipped as excepted packages.

Performance Observations

Licensee personnel demonstrated procedures involving survey meter calibrations and the FLIR pods, and the inspector found no concerns with the procedures. Interviews with licensee personnel indicated adequate knowledge of radiation safety and security procedures. Surveys indicated radiation levels consistent with licensee postings and survey records. The inspector determined that the RSC met at an appropriate frequency, had adequate attendance, and discussed appropriate topics.

The inspector closed concerns regarding two non-cited violations (NCVs). (1) On December 9, 2005, the licensee was issued an NCV regarding the improper disposal of nine generally-licensed tritium exit signs. The licensee implemented the proposed corrective actions, including labeling all exit signs as requiring notification of the RSO if the signs are removed, securing all signs not in use in a vault, and maintaining an inventory of all signs. In addition, licensee personnel were trained regarding the signs, and the training was reinforced regularly. (2) On January 28, 2004, the licensee was issued an NCV regarding the failure to secure two tritium ECD sources. The licensee implemented the stated corrective actions, including discussions with users of licensed material regarding proper security of licensed material.