



Materials Inspection Report

1. Licensee/Location Inspected:

Apha-Omega Services, Inc.
9156 Rose Street
Bellflower, California 90706
(Location Inspected: Job Site at Barnes-Jewish
Hospital, St. Louis, MO)

Report Number(s) 2022002

2. NRC/Regional Office

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. Docket Number(s)

150-00017

4. License Number(s)

LA-10025-L01

5. Date(s) of Inspection

October 24-28, 2022

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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.

A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.

(Non-cited violation(s) was/were discussed involving the following requirement(s))

B. The following violation(s) is/are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

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 AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Jason Draper, Health Physicist	Jason D. Draper <small>Digitally signed by Jason D. Draper Date: 2022.11.25 09:52:59 -06'00'</small>
BRANCH CHIEF	Michael A. Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.11.25 13:56:34 -06'00'</small>



Materials Inspection Record

1. Licensee Name: Alpha-Omega Services, Inc.		2. Docket Number(s): 150-00017		3. License Number(s) LA-10025-L01	
4. Report Number(s): 2022002			5. Date(s) of Inspection: October 24-28, 2022		
6. Inspector(s): Jason Draper		7. Program Code(s): 03226		8. Priority: 2	9. Inspection Guidance Used: IP 87125
10. Licensee Contact Name(s): Carl Tunnell, Vice President		11. Licensee E-mail Address: ctunnell@alphaomegaserv.com		12. Licensee Telephone Number(s): (951) 236-4019	
13. Inspection Type: <input type="checkbox"/> Initial <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input checked="" type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		14. Locations Inspected: <input type="checkbox"/> Hybrid <input type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): <input type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input checked="" type="checkbox"/> No change	
16. Location(s) Inspected List: Temporary Job Site - Barnes-Jewish Hospital (Washington University), St. Louis, MO					
17. Scope and Observations: <p>This was an inspection of a service provider licensed by the State of Louisiana and working under reciprocity to perform a source exchange on an Elekta Instrument AB Model Leksell Gamma Knife Icon gamma stereotactic radiosurgery unit at Washington University in St. Louis, Missouri. This inspection was performed concurrently with an inspection of Washington University in St. Louis, NRC License No. 24-00167-11. Two licensee employees performed the source exchange and associated activities as well as coordinated with the shipper/receiver of the sources and other administrative tasks associated with the source exchange.</p> <p>During the inspection, the inspector observed the licensee verify proper installation of the portable hot cell used for the source exchange as well as surveys of the device and the hot cell, and the use and functionality of the manipulator tools inside the hot cell. The inspector also observed the removal of multiple sources from the unit, the removal of the sources from their bushings, leak tests of the device and bushings, the installation of multiple new sources (pre-loaded in bushings), and the verification that sources were loaded into the correct locations. The inspector observed the use of personnel dosimetry and survey meters and interviewed the licensee employees regarding radiation safety practices; engineered safety features of the device, the hot cell, and the manipulator tools; and emergency procedures in case of radiological incidents. The inspector found the employees to be appropriately knowledgeable of regulatory requirements, the licensee's procedures, and radiation safety practices. The inspector also reviewed records including a sample of leak tests, source load patterns, and the licensee's source reload and maintenance procedures. The inspector also conducted independent and confirmatory surveys, and found dose rates to be comparable to the licensee's surveys.</p> <p>No violations of NRC requirements were identified as a result of this inspection.</p>					
Signature and Date - Branch Chief Michael A. Kunowski Digitally signed by Michael A. Kunowski Date: 2022.11.25 13:58:12 -06'00'					

From: [Jason Draper](#)
To: ctunnell@alphaomegaserv.com
Subject: NRC 591M - Alpha-Omega Services
Date: Friday, November 25, 2022 5:12:00 PM
Attachments: [NRC 591M - Alpha-Omega Services jdMK.pdf](#)

Mr. Tunnell,

As I discussed with your staff following my inspection, attached is the inspection report for the non-routine NRC inspection that was performed of your activities at a temporary job site (Barnes-Jewish Hospital) in St. Louis, Missouri, on October 24-28, 2022. Please review and keep this document for your records. There is no response required, though I would appreciate an email confirming that you have received the document. Let me know if you have any questions.

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's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website 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 publicly available without redaction.

Jason Draper

Health Physicist (Inspector)

NRC / Region III / DRSS / MIB

(630) 829-9839

jason.draper@nrc.gov