



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 27, 2004

Docket No. 03031170

License No. 45-25053-01

Maharaj K. Jalla  
President  
Consulting Engineers Corporation  
11480 Sunset Hills Road, Suite W100  
Reston, VA 20190

**SUBJECT: INSPECTION 03031170/2004001, CONSULTING ENGINEERS CORPORATION, RESTON, VIRGINIA SITE AND NOTICE OF VIOLATION**

Dear Mr. Jalla:

On December 1, 2004, Jenny Johansen of this office conducted a safety inspection at the above address of activities authorized by the above listed NRC license. The inspection was an examination of your licensed activities as they relate to radiation safety and to compliance with the Commission's regulations and the license conditions. The inspection consisted of observations by the inspector, interviews with personnel, and a selected examination of representative records. The findings of the inspection were discussed with Tony Tran of your organization at the conclusion of the inspection.

Based on the results of this inspection, it appears that your activities were not conducted in full compliance with NRC requirements. A Notice of Violation is enclosed that categorizes each violation by severity level in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," (Enforcement Policy), NUREG 1600. You are required to respond to this letter and should follow the instructions specified in the enclosed Notice when preparing your response. In your response, you should document the specific actions taken and any additional actions you plan to prevent recurrence. Your response may reference or include previous docketed correspondence, if the correspondence adequately addresses the required response. After reviewing your response to this Notice, including your proposed corrective actions and the results of future inspections, the NRC will determine whether further NRC enforcement action is necessary to ensure compliance with NRC regulatory requirements.

Please note that on October 25, 2004, the NRC suspended public access to ADAMS, and initiated an additional security review of publicly available documents to ensure that potentially sensitive information is removed from the ADAMS database accessible through the NRC's web site. Interested members of the public may obtain copies of the referenced documents for review and/or copying by contacting the NRC Public Document Room pending resumption of public access to ADAMS. The NRC Public Document Room is located at NRC Headquarters in Rockville, MD, and can be contacted at 800-397-4209 or 301-415-4737 or [pdr@nrc.gov](mailto:pdr@nrc.gov).

M. Jalla  
Consulting Engineers Corporation

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Your cooperation with us is appreciated.

Sincerely,

***Original signed by John D. Kinneman***

John D. Kinneman, Chief  
Security and Industrial Branch  
Division of Nuclear Materials Safety

Enclosure:  
Notice of Violation

cc:  
Tony Tran, Radiation Safety Officer  
Commonwealth of Virginia

M. Jalla  
Consulting Engineers Corporation

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Distribution:  
D. J. Holody, RI

DOCUMENT NAME: E:\Filenet\ML043620389.wpd

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OFFICE	DNMS/RI	N	DNMS/RI	N	DNMS/RI			
NAME	JJohansen/jmj		JKinneman/jdk					
DATE	12/17/2004		12/27/2004					

OFFICIAL RECORD COPY

## NOTICE OF VIOLATION

Consulting Engineers Corporation  
Reston, VA

Docket No. 03031170  
License No. 45-25053-01

During an NRC inspection conducted on December 1, 2004, three violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," (Enforcement Policy), NUREG-1600, the violations are listed below:

A. 10 CFR 71.5(a) requires that a licensee who transports licensed material outside of the site of usage, as specified in the NRC license, or where transport is on public highways, or who delivers licensed material to a carrier for transport, comply with the applicable requirements of the regulations appropriate to the mode of transport of the Department of Transportation (DOT) in 49 CFR Parts 170 through 189.

1. 49 CFR 172.702 requires that each Hazmat employer shall ensure that each Hazmat employee is trained and tested, and that no Hazmat employee performs any function subject to the requirements of 49 CFR Parts 171-177 unless trained, in accordance with Subpart H of 49 CFR Part 172. The terms Hazmat employer and Hazmat Employee are defined in 49 CFR 171.8

49 CFR 172.704(c)(2) states that a Hazmat employee shall receive the training required by this subpart at least once every three years.

Contrary to the above, as of December 1, 2004, the licensee, a Hazmat employer, did not ensure that one of its Hazmat employees, who performed functions subject to the requirements of 49 CFR Parts 171-177 during the years 2001 to 2004, was trained and tested as required by 49 CFR 172.702.

This is a Severity Level IV violation (Supplement V).

2.. 49 CFR 172.202(a) and (b) require in part, with exceptions not applicable here, that the shipping description of a hazardous material on the shipping paper include, in the following sequence: (1) the proper shipping name prescribed for the material in 172.101 (2) the hazard class prescribed for the material as shown in Column 3 of the 172.101 Table, and (3) the identification number prescribed for the material as shown in Column 4 of the 172.101 Table. Pursuant to 49 CFR 172.101, radioactive material is classified as hazardous material.

Contrary to the above, between October 1, 2002 and August 31, 2004, the licensee transported outside the confines of its facilities, licensed material, and the shipping description on the shipping paper that accompanied the shipments did not include the identification number prescribed for the material as shown in Column 4 of the 172.101 Table, which was effective October 1, 2003. Specifically, the licensee's shipping paper referred to identification number

UN2974 instead of UN3332 and the gauge was transported on public roads in Virginia.

This is a Severity Level IV violation (Supplement V)

- C. 10 CFR 19.11(a) and (b) require, in part, that the licensee post current copies of Part 19, Part 20, the license, license conditions, documents incorporated into the license, license amendments and operating procedures; or that the licensee post a notice describing these documents and where they may be examined. 10 CFR 19.11(c) requires that a licensee post Form NRC-3, "Notice to Employees."

Contrary to the above, as of December 1, 2004, the licensee had not posted any of the required documents (or specify which document were not posted) or notices.

This is a Severity Level IV violation (Supplement VI).

Pursuant to the provisions of 10 CFR 2.201, Consulting Engineers Corporation is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Regional Administrator, Region I, within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. Your response may reference or include previous docketed correspondence, if the correspondence adequately addresses the required response. If an adequate reply is not received within the time specified in this Notice, an order or a Demand for Information may be issued as to why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

If you contest this enforcement action, you should also provide a copy of your response to the Director, Office of Enforcement, United States Nuclear Regulatory Commission, Washington, DC 20555-0001. Under the authority of Section 182 of the Act, 42 U.S.C. 2232, any response which contests an enforcement action shall be submitted under oath or affirmation.

Your response will be placed in the NRC Public Document Room (PDR) and on the NRC Web site at <http://www.nrc.gov/reading-rm.html>. To the extent possible, it should, therefore, not include any personal privacy, proprietary, or safeguards information so that it can be made publically available without redaction. However, if you find it necessary to include such information, you should clearly indicate the specific information that you desire not to be placed in the PDR, and provide the legal basis to support your request for withholding the information from the public.

In accordance with 10 CFR 19.11, you may be required to post this Notice within two working days.

Notice of Violation  
Consulting Engineers Corporation

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Dated This 27<sup>th</sup> day of December, 2004