

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Alt and Witzig Engineering, Inc. 3311 Imperial Parkway Lafayette, IN REPORT NUMBER(S) 2008-002		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Rd. Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-35111	4. LICENSE NUMBER(S) 13-18685-02	5. DATE(S) OF INSPECTION 11/20/08	

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) were discussed involving the following requirement(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.

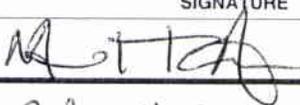
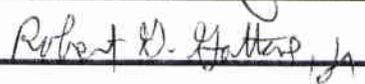
(Violations and Corrective Actions)

10 CFR 71.5 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 DOT in 49 CFR Parts 170 through 189.

49 CFR 173.475 requires, in part, that before each shipment of any radioactive material package, the shipper ensure by examination or appropriate testing that each closure device of the packaging is properly installed, secured, and free of defects.

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	DATE
LICENSEE	MICHAEL T ASH		11/20/08
NRC INSPECTOR	Robert G. Gattore, Jr.		11/20/08

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REPORT NUMBER(S) 2008-002			
3. DOCKET NUMBER(S) 030-3511	4. LICENSE NUMBER(S) 13-18685-02	5. DATE(S) OF INSPECTION 11/20/08	

(Continued)

Contrary to the above, on several occasions as of 11/20/08, including 9/15, 18, 30/08 and 10/3, 9, 13, 14, 15, 21/08, the licensee failed to ensure by examination or appropriate testing that each closure device of a DOT Type 7 package was free of defects. Specifically, a closure device on the package was bent such that it could not function as designed to keep the package closed when the package was used to transport licensed material to and from temporary job sites.

Docket File Information

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3. DOCKET NUMBER(S) 03035111	4. LICENSE NUMBER(S) 13-18685-02	5. DATE(S) OF INSPECTION 11/20/08	
6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 03.01-03.04, 03.06, and 03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03121	2. PRIORITY 5	3. LICENSEE CONTACT William Witzig, RSO	4. TELEPHONE NUMBER 317-875-7000
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Main Office Inspection Next Inspection Date: 11/20/2013

Field Office Inspection

Temporary Job Site Inspection

PROGRAM SCOPE

This was a 6-month post escalated enforcement inspection to follow up on the licensee's corrective actions taken to prevent similar violations that resulted in escalated enforcement action. The licensee conducted moisture/density measurements of construction materials at temporary job sites several times per month. Four authorized users used licensed material that was dispatched from the Imperial Parkway facility. The licensee's inventory included a Troxler Model 3440 (Serial 17514), a Troxler Model 3430 (Serial 24321), a Troxler Model 3430 (Serial No. 23268), and a CPN Model MC-1, (Serial MD90504997).

Performance Observations

Licensed activities were not conducted during the inspection. The inspector observed that gauge Serial Numbers 24321 and 23268 each had source shutters that were stuck wide open without the licensee's knowledge. The inspector measured about 120 millirem per hour at the shutter opening of both gauges that had a stuck open shutter. Based on the inspector's observation of how selected licensee staff stored, used, and transported the gauges, the inspector determined that it was very unlikely that an individual received a radiation dose in excess of regulatory limits. The licensee committed to take gauge Serial Numbers 24321 and 23268 out of service until they are repaired by an authorized person within one week of the inspection. In addition, the licensee committed to conduct shutter checks of all of its gauges when collecting leak test samples every 6 months. The inspector also observed: (1) that the licensee implemented all of the corrective actions it had committed to such that the gauges were secured in accordance with 10 CFR 30.34(i) at the facility, in the truck during transportation, and in the truck at temporary job sites; (2) that dosimetry badges were worn; (3) that the highest whole body dose received in 2008 (through 3/31/08) was 153 millirem; (4) his instrument read 17 millirem per hour at the closed shutter on Serial MD90504997; (5) his instrument read a maximum of 3 millirem per hour at 1 foot from the exterior surface of the wall of the storage room where the gauges were stored (including the aforementioned gauges with stuck open shutters), and noted that the occupancy factor for the area was near zero; and (6) that the shutters of all of the gauges at the licensee's facility were closed, except for the aforementioned ones with stuck open shutters .

The inspector identified a violation of 10 CFR 71.5/49 CFR 173.475 as described in Part 1 of this report. As corrective action, the licensee committed to (1) have the case repaired or replaced by an authorized person before its next use; and (2) not use damaged cases to transport licensed material in the future.