

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

**Therametric Technologies, Inc.
9880 Douglas Floyd Parkway
Noblesville, IN 46060**

REPORT NUMBER(S) **2011-01**

2. NRC/REGIONAL OFFICE

**U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4351**

3. DOCKET NUMBER(S)
030-38263

4. LICENSEE NUMBER(S)
13-32788-01

5. DATE(S) OF INSPECTION
March 25, 2011

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:

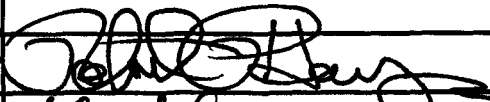
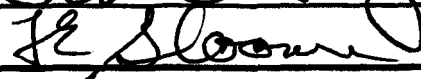
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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

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'S REPRESENTATIVE			
NRC INSPECTOR	Robert P. Hays		3/25/2011
Branch Chief	Tamara E. Bloomer		4/15/11

NRC FORM 591 M PART 3 (06-2010) 10 CFR 2.201		U.S. NUCLEAR REGULATORY COMMISSION	
<i>Docket File Information</i> SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION			
1. LICENSEE Therametric Technologies, Inc. 9880 Douglas Floyd Parkway Noblesville, IN 46060 REPORT NUMBER(S) 2011-01		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 03032863	4. LICENSE NUMBER(S) 13-32788-01	5. DATE(S) OF INSPECTION March 25, 2011	
6. INSPECTION PROCEDURES 87124 (11/25/03)	7. INSPECTION FOCUS AREAS 03.01-03.07		
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 3620	2. PRIORITY 5	3. LICENSEE CONTACT Bruce Schemehorn, RSO	4. TELEPHONE NUMBER 317-565-8070
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: March 2016	
<input type="checkbox"/> Field Office Inspection _____			
<input type="checkbox"/> Temporary Job Site Inspection _____			
PROGRAM SCOPE			
<p>The licensee is authorized by the license to use P-32 for abrasion studies on reactor activated human teeth. At the time of the inspection, only one individual used licensed material with the RSO being a "backup" user. Licensed activities were initiated on May 27, 2010, and records of receipt indicated the lab receives a shipment each month from the University of Missouri. Current inventory indicated less than 1 millicurie of P-32 including some decay-in-storage solid waste. Any water soluble liquid waste is sewered with calculations and aliquot assays documented to ensure monthly concentrations are not exceeded. Area surveys of use and storage areas by the inspector did not reveal any contamination concerns.</p>			
<u>Performance Observations</u>			
<p>During the inspection, the licensee's RSO and AU demonstrated/discussed: (1) radiation surveys and survey meter calibrations; (2) contamination surveys; (3) safe use practices; (4) waste storage and disposal; (5) isotope inventories; (6) security of licensed material; (7) written safety procedures; (8) package opening procedures; and (9) dosimetry.</p>			